LIVING

FOR YOUNG HOMEMAKERS

AUGUST 1954 35 CENTS

WHAT IS YOUR SPARE TIME WORTH?

YEAR-ROUND OUTDOOR COOKING

SO SAFE

SO EASY TO CLEAN

Modern mothers never fret or shout "Oh—quiet please!" Their homes are restful clean and safe . . with those Heavenly Carpets by Lees.

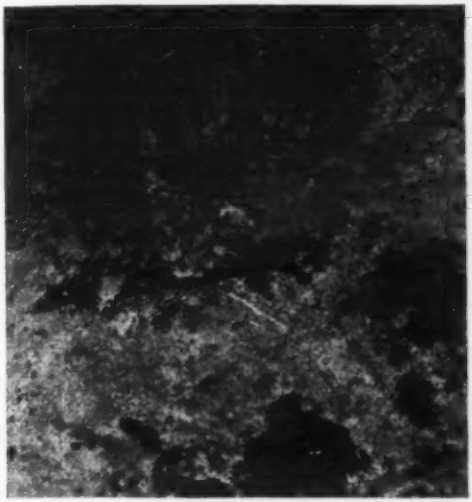
...those heavenly carpets by **LEES**

can do more delightful things, add more color and comfort to your home than anything else you can possibly buy. Lees make life easier too. They're so easy to clean—so safe, soft and quiet. Every happy "lived-in" home needs Carpets by Lees.

JAMES LEES AND SONS COMPANY, BRIDGEPORT, PENNA. OTHER FAMOUS PRODUCTS: COLUMBIA · MINERVA AND BEEHIVE HAND KNITTING YARNS

SAME CONCRETE FLOOR

—this made the difference



ALKALI ATTACK caused ordinary paint on this basement floor (left) to fail completely in 4½ months. This was removed and replaced with paint based on PLIOLITE S-5. Second photograph (right) was taken after another 4½ months. And there's no sign of failure.

CONCRETE floors are hard to keep painted. Moisture and alkalies in the concrete combine to attack and destroy ordinary paint films in a matter of months. Some films discolor and soften. Others blister, crack and peel. Still others resist alkali attack, but mar easily and wear quickly. The fully proved answer to the problem is enamel made with PLIOLITE S-5—easily identified by the seal shown above.

PLIOLITE S-5 is a synthetic rubber resin. It is specifically made for use by leading manufacturers of special concrete floor enamels and other masonry finishes. Such enamels are easily applied—by brush or even pushbroom—dry rapidly and are unaffected by moisture and alkalies. Moreover, they form tough, flexible films that are extremely long wearing, high in gloss and easily maintained.

Basement, garage and utility room floors, patios and terraces—all are brightened and beautified for years with enamels bearing the PLIOLITE S-5 seal. It's a sure sign of satisfaction—fully proved in over eight years of tests and wide use. Look for it at your dealer's, the next time you paint concrete floors. If he can't supply you, write to:

Goodyear, Chemical Division, Dept. T-9421, Akron 16, Ohio

LOOKING FOR A GOOD ADHESIVE? Look for PLIOBOND. It's easy to use—"bonds anything to anything"—longer and stronger. Buy it at paint, hardware and chain stores.

CHEMICAL
GOODYEAR
DIVISION

Pliolite, Pliobond—T. M.'s The Goodyear Tire & Rubber Company, Akron, Ohio

Speaking of Living

A LFYH Production at The Hecht Co.

Donn Emmons, A.I.A.

Betty Slater, 7½-pound Amy

Senator Kefauver, Inger

Scratch an editor and nine times out of ten you'll find a frustrated actor (or actress) underneath. LFYH editors so afflicted found relief not long ago when we suddenly found we were in show business as well as the home and decoration field! The occasion was linked to the store-wide promotion of **The Hecht Company in Washington, D.C.,** launched in conjunction with the *Color U.S.A.* theme of our May issue. We were invited to set up a LIVING For Young Homemakers Theater at the store, a theater at which the performers would be some of our own editors and distinguished specialists from the home field, to direct the "plays," lectures and demonstrations for store visitors. MCing the proceedings was our own staff member **Joan Harris,** and among the celebrities she introduced, in addition to our own representatives, were **Anne Mason** of James Lees & Sons, **Bill Peters** of Riverdale Fabrics, color stylist **Margaret Hutchison** of The Martin-Senour Co., **Cullen Wimmer** of the Reynolds Metals Co., **John Greene** of Lightolier, Inc., **Edith Barber** of Cabin Crafts, Inc., **Harold Johnston** of Oneida, Ltd., **Ruth Leigh** of Cannon Mills, **Drucella Lowrie** of the Necchi Corp., **William Croft** of deWalt, Inc., and **Arthur Scheider** of the Rosenthal-Block China Corp. Surely as fine a cast of stars as ever assembled for a first production!

Just how *An Architect Applies His Philosophy of Living to His Own Home* can be seen this month on page 70. How the architect arrives at a philosophy of living is somewhat more complicated, but it is safe to say that architect **Donn Emmons'** experience in helping other young homemakers find their answers to problems gave him a good starting point. Donn has had quite varied experience, including three years as a gunnery officer in the South Pacific. Architecturally speaking, Donn is a partner of Wurster, Bernardi and Emmons, of San Francisco, and he has worked at as wide a range of projects as any architect we've run across for some time: office buildings, schools, stores, a printing plant, a library, air force bases, and a newspaper plant as well as homes. Latest of his diverse undertakings is the new U.S. consulate in Hong Kong!

Speaking of the Far East, the last time we mentioned our West Coast editor **Betty Slater** in this column, she had just returned from a trip to the Philippines with her husband Leonard. There's big news in the family again. Betty has presented Leonard with their first child—**7-pound 8-ounce Amy.** Mother and daughter are doing nicely, thank you, and rapidly getting to be old friends. Like all loyal editors who have their first child, Betty is hard at work trying to think how her experience with Amy might make a story for our readers. So you may hear of Amy's activities in detail later.

A staff member who finds herself regularly on the move is **Inger Johnson** of the promotion department. She co-ordinates editorial material with displays of featured merchandise in stores throughout the country. Inger finds that the hard work is spiced with surprises when least expected. Recently, she found herself at a press luncheon, a fellow guest with **Senator Estes Kefauver** of Tennessee!

As we have pointed out, we've found ourselves in a number of theatrical roles recently. No editor appearances have met with more enthusiastic reception than an "on-the-road" routine featuring entertaining and table decoration editor **Gina Newman** and decorator **Paul Krauss.** Using stage techniques, Gina and Paul dramatically present imaginative solutions to entertaining problems, offering tips on menus as well as table decoration advice. At a première at **Miller & Rhoads, in Richmond,** they joined the store's china, glass and gift buyer **Dais Beene** for Miller & Rhoads' annual American Design Show. Then they went on to success at LFYH Theater at The Hecht Company, Washington. Booking agents can take it from here!

Gina, Paul and M. & R.'s Dais Beene

give to
MS
MULTIPLE SCLEROSIS
c/o LOCAL POSTMASTER

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Comfortable, Convenient, Versatile

here is modern furniture whose simple basic design makes for easier housekeeping and flexibility of use

For your bedroom, Heywood-Wakefield's handsome triple dresser, designed for limited space and maximum storage room. Combine this with the matching bed with its trim, built-in night stands, and you have properly scaled Modern that makes the smallest rooms seem spacious and inviting.

For your dining room, an efficient drop-leaf table, extends to seat eight comfortably; folds down to console size. From the Home-Planned Modern group of coordinated furniture for every room in your house. All of fine, solid Birch in rich finishes.

HOME-PLANNED
modern
by
HEYWOOD-WAKEFIELD
HW
EST. 1826
Guaranteed by Good Housekeeping

For your living room, Heywood-Wakefield's flexible Modern upholstered pieces, occasional tables and desk have a simple basic design, allowing freedom of arrangement to suit your taste and needs.

NEW "HOW TO DECORATE WITH MODERN" BOOK

Gladys Miller, famous decorating consultant, tells you how to plan an attractive home with Modern. Send 25¢ in coin for your copy. If you'd also like our Old Colony decorating book, send 50¢ in coin for both.

Heywood-Wakefield, Gardner, Mass., Dept. LV-11
I enclose....in coin for your decorating books at 25¢ ea.
(check your choice) ☐ Modern ☐ Old Colony

NAME.....

STREET.....

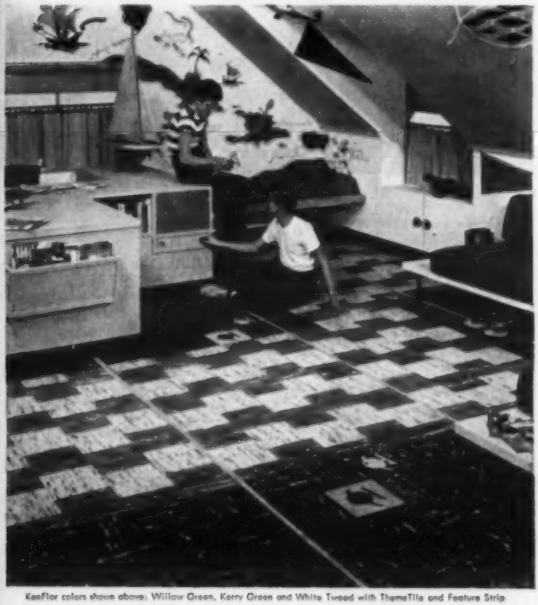
CITY & ZONE.....STATE.....

Heywood-Wakefield, also makers of Ashcraft and Old Colony furniture.

"Beauty Smooth"

KENFLOR TRADE MARK

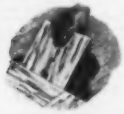
...the New Vinyl Tile that makes remodeling easy!



KenFlor colors shown above: Willow Green, Kerry Green and White Tweed with ThemeTile and Feature Strip

KenFlor is easier, quicker to install yourself... ideal over wood floors

Carry it home by the carton... install it tile by tile



Now you can give your floors the magic of today's loveliest home-fashion colors with rugged vinyl KenFlor! These flexible tiles go down in minutes over old or new wood floors. KenFlor can also be installed over concrete that is not in contact with the earth.

Created to give you longer wear and easier cleaning... comfortable, felt-cushioned KenFlor is, like aluminum, a miracle of weightless strength. Years of tramping, scuffing footsteps can't grind dirt into its smooth, non-porous surface. Grease can't soften it... spills of staining liquids can't penetrate it! It seldom needs scrubbing...never needs waxing except for added "sparkle."

SPECIAL: also by the yard, for floors or matching counter tops

Choose your "Beauty Smooth" KenFlor colors at your KENTILE Dealer's now. He's listed under FLOORS in your Classified Phone Book. In Canada, T. Eaton Co., Ltd. It's economical to self-install KenFlor. An average 8'x10' tile floor costs about $26.50

KENFLOR TRADE MARK VINYL TILE

BY THE MAKERS OF KENTILE

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A PIECE OFF YOUR MIND

WHISTLE WHILE YOU WORK

Dear Editors:
Surely there must be many of us needing enlightenment on the percentage of help a *working* wife might expect from her husband with regard to household chores! I quite agree that her pay check should be for the mutual benefit of household, but should she cheerily work all evening while he sits and relaxes?

Kathryn Boone
East Hampton, N. Y.

EDITOR'S NOTE: *This is an interesting question. From the number of comments in letters we received, the man of his own volition does not seem satisfied to sit, but engages in all manner of chores and work around the house.*

AFFAIRS OF STATES

Dear Editor:
Color U. S. A. in the May, 1954, issue of your magazine was delightful. In the cross-country descriptions, we were naturally drawn to the section on the Midwest. We moved here five years ago and love the flavor of Midwestern hospitality.

I mailed a copy of this issue to friends in France so that they might observe for themselves the diversities which constitute our great United States of America.

Mrs. Jean B. Boehle
Iowa City, Iowa

WIDE OPEN SPACES

Dear Sirs:
We were sorry we had not seen the Techbuilt house (*A House with Built-In Expansion*, March, 1954) before we began to build ours. Unlike so many other houses of today which use the rectangular floor plan and spatial theory, this two-level house was most interesting.

We designed our home and are constructing it ourselves to take into consideration our particular family needs. We felt, too, that with a growing family, it would be most beneficial and economical to be able to change our interior structure as we see the need in future years and have made provisions for additional living space in our home plans.

We are located in nine and a half acres of wooded land in a small community and feel that such a close but spatial environment surrounding our simple, flexible home will be an ideal location to raise our family. We are probably unique in that my husband, who is an experimental engineer, is working in his company's new laboratory which is also located in the country. To live and work free from city dirt is our dream come true.

Mrs. Edward Bushnell
Aurora, Ohio

A LOT TO BE HAD

Dear LFYH:
The question posed by the letter published in *A Piece Off Your Mind* in the March, 1954, issue concerning the choice of a home—old or new and its location—interested me a great deal. One of the worst drawbacks of the new suburbs is that the smaller the house today, the smaller the lot. The sense of crowding inside is greatly increased by the proximity of the next house. Most people move to the suburbs to give the children somewhere to play, but they end up in the street anyway.

One solution would be to look for a small, well-built older house next to a vacant lot and buy both lots. In any climate, living space outdoors can be made as important as "enclosed space." A playground, an outdoor living room, and a garden for fruit, flowers, and fun can all be accommodated on the extra lot. The taxes on the

[Continued on page 6]

...pleasant living

...with the *National* home of your choice

Here is a picture of happy, relaxed living which you may soon make your own. It shows the sheltered garden courtyard of a National "Ranger" . . . one of four great series of homes now being offered by National Homes builders in hundreds of communities.

You may prefer a deluxe National "Custom-Liner" . . . a thrifty "Pacemaker" . . . or one of the low-cost "Cadets," as featured in this issue. There are Nationals to delight every taste, to fit every income.

A famous architect, Charles M. Goodman, AIA, designed the new Nationals for your comfort and convenience . . . that you might have your own corner of happiness to share with the little world that is your family.

And your local builder, by selecting National Homes as his source of supply for factory-made panels and structural parts, saves you many hundreds of dollars—many weary months of waiting for your dream to become real.

We at National want you to have the best in a home at the price you can afford. See your National builder today, or write to National Homes Corporation, Dept. LH854, Lafayette, Ind., for complete information.

National HOMES

NATIONAL HOMES CORPORATION
Lafayette, Indiana
Eastern Plant:

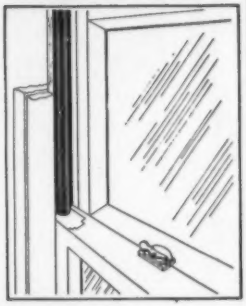
(ABOVE) *The low-cost "Cadet" as featured this issue of Living for Young Homemakers.*
(BELOW) *This is the beautiful new "Ranger" with the secluded garden courtyard as shown the large illustration at top of page.*

NATIONAL "RANGER" DESIGNS © 1952 BY

ALLMETAL Weatherstrip

for National HOMES

"CADET"



all-weather PROTECTION —year 'round COMFORT

When National Homes Corporation specified ALLMETAL Weatherstrip for installation on the wood windows and doors of its "CADET," it was definite assurance of sure protection against water leakage on floor and window stools, sure protection against wind blown dust and dirt which settles on walls, drapes and furnishings, and protection from drafts which are uncomfortable, unhealthy as well as extremely costly.

Good metal weatherstrip saves more fuel per dollar of cost than any other material or technique yet devised. The use of ALLMETAL Weatherstrip on wood windows may reduce the infiltration losses up to 17% of the total heat loss from a house, with corresponding savings of approximately 24% in the total fuel cost.

Discover for yourself how economical and practical ALLMETAL Weatherstrip makes more comfortable and healthful Living for young home makers.

ALLMETAL Weatherstrip Company
Name "ALLMETAL" Registered U. S. Patent Office
2241 NORTH KNOX AVENUE
CHICAGO 39, ILLINOIS

A piece off your mind

[Continued from page 4]

lot will be less than the upkeep on a house larger than your present needs. You can get your money back on the lot, sold either with the house or separately if you must move.

So if you can't find what you want in an old house with a big yard at the right price, at least buy a double lot, if you are able, with your small house, whether new or old!

Mrs. A. J. Biemiller
Bethesda, Maryland

PRIZE PACKAGE

Gentlemen:
We are looking forward to receiving the home building kit for the LIVING HOUSE #5 *(Built-in Climate Influences the Design of a Prize-Winning House)* in the April, 1954, issue. We in Canada find that the problems of young families are the same on both sides of the border. This particular house seems to me to be an excellent example of good, modern design, certainly worthy of the prize it received. Our climate here is extreme, but with proper insulation it is very suitable to our needs.

Robert J. Wilson
Edmonton, Alberta

Sirs:
The prize-winning house with built-in climate is a real winner! I consider myself an amateur architect and spend a great deal of time either designing houses or picking apart those which someone has designed as "the last word." In most cases I have found that men quite often forget many small things which a woman would like to include if she were doing the planning, but Mr. Catalano and Mr. Caminos have proven to be an unbeatable pair.

The best part of all is that it can be built within our budget. That is a real feat when one is getting more than just minimum housing. Usually such a de-luxe plan, keyed to year-round air-conditioning, would be a dream rather than a reality since it wouldn't figure in the average young person's budget.

Mrs. E. T. Gregory, Jr.
Lookout Mt., Tennessee

PAST POSSESSIVE

Dear Sirs:
Our latest possession is an old, historically important farmhouse built in 1836. It was important as a stop on the underground railroad of Civil War fame. The house had seventeen so-called rooms, some cell-like (the hired man's room), and many huge ones, 20' x 20', plus five wood-burning fireplaces. Many of our restoration plans came from ideas presented in LFYH.

We'll probably open the farmhouse with a series of wonderful benefit teas for our many worthwhile agencies here.

Mrs. Karl A. Miller
South Meadville, Pa.

UNDERCOVER STUFF

Gentlemen:
We are army people who have moved 38 times in twelve years! Needless to say, we have lived in all sorts of places. In all our moving about, we found orange crates an invaluable furnishing aid. We can't transport too much furniture because of weight limits and never knowing the size of the next home, so extra shelves can be had by using orange crates—painted, plastic covered, or with curtains. This kitchen had no counter space, so we made a long counter of two used boards covered with linoleum, and under it parked a long row of crates—all covered by plastic curtains, and there is our working space plus storage for groceries.

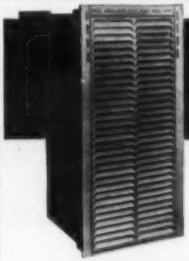
Mrs. George E. Posner
San Francisco, Calif.

COMPLETELY OVERCOME

Dear Sirs:
My husband and I have recently acquired a six-room apartment. The rooms evidently were not planned for furniture. However, we intend to overcome the architectural obstacles as best we can.

Our furniture is a combination of eighteenth-century French antiques, which we acquired while doing graduate studies in France, and contemporary American. We have made color an important factor in our decorating as well as the look of space, rather than the look of too much furniture, to achieve a relaxing atmosphere.

Mrs. Richard Floyd
Brooklyn, New York



RECESSED WALL HEATER
OIL AND GAS FIRED

AS FEATURED IN National "CADET"

Both warm air and radiant heat from this modern comfort "package"

Here's ideal *low-cost automatic central* heating for the small home! This Recessed Wall Heater is thermostatically controlled to keep your home at a uniformly comfortable temperature. Automatic fan operation continuously circulates warm air throughout the living area . . . ends the discomfort of ordinary "off and on" heating. In addition, floor-warming *radiant* heat is furnished.

No living space is wasted—modern styling and attractive finish harmonize with any decorative treatment.

FITS FLUSH IN WALL

Gas or oil fired—gas units burn all gases including L.P.
No masonry chimney required—adapts to prefabricated chimney.
Center-vented—for space-saving installation in closet or alcove space.
Removable front grille—provides easy access for lighting burner and adjusting all controls.
A complete "package"—includes thermostat, burner, controls, regulator, fan control for summer circulation.

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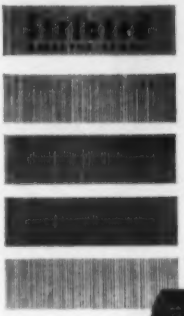
STEWART-WARNER CORPORATION
U. S. MACHINE DIVISION, DEPT. AI-84, LEBANON, INDIANA

turn your old place into a show place

USG  Siding

Is your house showing its age? Shed years, add charm, increase value with new fireproof USG STRIATED siding! Five popular soft-hued colors —Cadet Gray, Canyon Brown, Island Green, Salem Red, Birch White—*gentle* colors that settle right down for a long, comfortable stay. Extra-wide (27-inch) shingles mean fewer joints, tighter walls. Straight-grain texture is non-patterning, gives a true luxury look at reasonable cost. Lustrous, durable, thermoplastic coating; no paint needed. See your U.S.G. dealer or applicator; see what USG STRIATED siding—and beautiful USG* Asphalt Roofing—can do for *your* house!

*T. M. Reg. U.S. Pat. Off.

the material to use is USG UNITED STATES GYPSUM and this sign tells you the dealer to see . . .

The greatest name in building

Let your colorful dream home "Come true"

80 tru-nature colors to choose from

Spectro-matic HOUSE PAINT

The trend is to color

The miracle of color can change an ordinary home into a "tiny palace of rare beauty." Color can blend your home into nature's green and flowery background. Make it utterly charming. Let Spectro-matic turn your painted dreams into reality. Spectro-matic is sun-tested! The colors in this highest quality house paint keep their bright beauty for years. Pastels and deepest hues! One coat covers.

Guaranteed by Good Housekeeping

Spectro-matic colors "come true"

No color-loss on the wall—no washed-out hues

THE COLOR YOU SEE (ON THE SWATCH)

IS THE COLOR YOU GET (ON YOUR HOUSE)

Manufactured by the makers of these famous paints

SEE YOUR NEIGHBORHOOD SPECTRO-MATIC DEALER

BEST IN BOOKLETS

Our young readers are vigorously (and reassuringly) individualistic, true, but their letters reveal a common bond: their belief that comfort and charm are essentials in successful homemaking. For them we review, in each issue, booklets full of professional know-how on achieving a smoother, better-run ménage. Whenever you write for them, we would appreciate your mentioning LIVING For Young Homemakers.

Fall is spruce-up time, a season to file away summer vacation memories and get down to readying homes for the months ahead. It's a favorite time for remodeling, a good time for painting the exterior of your home, and incidentally, the correct time to plant a lawn. With this in mind, Best in Booklets *this month is devoted to reviews of publications designed to make your home a better one.*

Adequate wiring results from adequate preparation before you begin remodeling or building. *Wiring Plans for Your Home* is a booklet to help you decide ahead of time what your needs will be and how to prepare for them. Taking a house room by room, the booklet reminds you of the possible electrical demands you'll want to make of each area of your home. The check list, alone, at the end of the booklet may prevent a future inconvenience or expense. Pass & Seymour (L-8C), 1300 Milton Ave., Syracuse 9, N.Y. Free.

Don't be floored by the thought of installing a rubber tile floor yourself. With the tile in one hand and a copy of *Facts about Rubber Floors* in the other, the job may be easily accomplished on wood, concrete, or other subfloors as well as on radiant-heated floors. Once installed, the easy cleaning methods outlined in the booklet will help you to protect the beauty and durability of your rubber tile. Rubber Flooring Division, The Rubber Manufacturers Assn., Inc. (L-8C), 444 Madison Ave., New York 22, N.Y. Free.

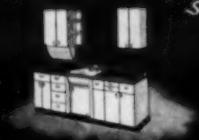
Finishing furniture, whether new or old, often seems more involved and complicated than it is. You will have no trouble if you choose any one of the *Three Easy Recipes for Finishing Furniture.* Whatever your choice as to method—a sealer, a shellac, or a stain and shellac, with paste wax the last basic ingredient to all three—everything you will need is itemized and the step-by-step procedure couldn't be simpler to follow. Consumer Education Dept. (L-8C), Johnson's Wax, Racine, Wis. Free.

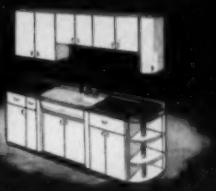
A magic potion to perk up a nondescript room is fabric plus a good use

[Continued on page 10]

"What dream kitchens are made of now!"

says Arlene Francis





ARLENE FRANCIS, star of stage, screen, radio and television

NOW go a step *beyond* your kitchen dreams—with new Diana-style Youngstown Kitchens . . . for as little as $9.25 a week.

They introduce an all-new concept in kitchen planning that offers you a custom kitchen at a down-to-earth price. Streamlined design lets you plan the sink first, then the kitchen. You choose a *Diana ensemble sink* with bowl arrangement best for you. Then, select features you want with your sink—in base units made for that purpose. Finally, plan the rest of the kitchen.

You enjoy cost savings that only mass-produced *steel* Diana-style Youngstown Kitchens units can give. Let your dealer show you *your* dream kitchen in perfect miniature, how to save on installation, how easy it is to finance. If building or buying, specify a Youngstown Kitchen—you'll *save!*

Diana-Style

STEEL Youngstown Kitchens®

Cabinets of steel for lasting appeal

MULLINS MANUFACTURING CORPORATION • WARREN, OHIO

AMERICA'S FOREMOST HOME BUILDERS FEATURE YOUNGSTOWN KITCHENS! . . . and for good reasons

National Homes' "Cadet" features a Youngstown Kitchen

- Sturdy steel (no warping, sagging, or sticking of doors and drawers)
- Timesaving, work-saving features galore
- Easy to clean and keep clean
- Installation quick and easy
- Free kitchen planning service

Youngstown Kitchens, Mullins Manufacturing Corporation
Dept. LYH-834, Warren, Ohio
Please send newest kitchen-planning, decoration ideas.
I enclose 10c to cover cost of mailing. (No stamps, please.)

I plan to buy a house ☐ I plan to build a house ☐
I am interested in the 54-inch Special ☐ I plan to modernize ☐

NAME (Please print) _____
ADDRESS _____
CITY _____ ZONE _____
COUNTY _____ STATE _____

© 1954 Mullins Manufacturing Corporation

Have walls like this for the cost of a TV set with Pre-finished Craftwall

Pictured: Blonde Limba Craftwall, Style 100

Craftwall is the new random width veneer hardwood paneling that looks like costly solid planking

CRAFTWALL brings the enduring beauty and luxury of hardwood paneled walls within the reach of modest budgets. And first cost is the last cost because Craftwall doesn't require re-doing every few years. Walls once done with Craftwall are forever done — no more costly redecorating.

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Best in booklets [Continued from page 8]

of color. Best of all, these are more dependent on your own ingenuity and labor than on a big bank roll. *How to Make Your Home "Sew-Lovely"* will give you a helping hand with directions for bedspreads, draperies, café curtains, slip covers, and some novelty items. The yardage chart for slip-covering various types of furniture takes all the guesswork out of the amount of material to buy. Desley Fabrics (L-8C), 40 E. 34th St., New York 16, N.Y. Free.

Spill the beans or most anything else on a laminated plastic table or counter top, and it'll be none the worse for wear. *Here's How You Can Install Beauty Bonded Formica* gives complete instructions for applying the plastic on these vulnerable surfaces. The same simplified technique explained in the booklet can be applied to installation of *Formica* on bathroom counters and other built-ins. Formica (L-8C), 4654 Spring Grove Ave., Cincinnati 32, Ohio. Free.

A good shellac-ing may be just what the doctor ordered for finishing that new oak floor or refinishing the old chest of drawers. Whatever your finishing or refinishing need, *Shellac—How to Use It* will tell you just how to do it with shellac. You'll find some helpful hints, too, on other ways to put that can of shellac to good use: to unstick bureau drawers, to protect rush chair seats, to preserve parchment lampshades, among others. Shellac Information Bureau (L-8C), 65 Pine St., New York 5, N.Y. Free.

Outdoor artist? Why not put that paintbrush to work in sprucing up the outside of the house? *Outdoor Painting* will tell you all you need to know about how to paint, for example, that fence, porch, roof, or outdoor furniture: when to paint, what type of paint to use, how to prepare the surface, what brush to use and how to clean it after use. Included are some color schemes for the roof, body, and door-shutter trim. National Paint, Varnish & Lacquer Assn. (L-8C), 1500 Rhode Island Ave., N.W., Washington, D.C. 10c.

If the grass is greener in your neighbor's yard it may be time for you to get after your own. *Lawns* is a definitive guidebook to tell you just how to tackle a reseeding job, how to prepare the soil, what grass to plant, and how to care for it after it comes up. And fall is the time to plant, particularly if you live in the cooler states; even if you live in the South it's not too early to start planning. Information on handling bug pests and weeds rounds out this valuable reference book. Rinehart & Co., Inc. (L-8C), 232 Madison Ave., New York 16, N.Y. $1.50.

Dirty work underfoot can be more harmful to the life and beauty of your rug or carpet than you may think. *Tips on Cleaning Floor Coverings* gives the low-down on how to keep your rugs free of dirt and dust, the best defense they have against moth damage. You'll also find first aid information on the proper step-by-step treatment of rugs and carpets that have suffered accidental stains. National Institute of Rug Cleaning, Inc. (L-8C), Silver Spring, Md. Free.

Concrete facts on building sidewalks, outdoor fireplaces, flagstone walks, and patios are just samples of what you'll find in *How to Do Your Own Cement Jobs.* This booklet contains not only the detailed plans for these projects but some helpful pointers for patching up the vulnerable spots in your home with the use of *Sakrete,* the ready-mix that can be used for building or repairing jobs that require concrete, cement, or mortar. Harry T. Campbell Sons' Corp. (L-8C), Towson, Baltimore 4, Md. 10c.

Barbecue suppers in your own back yard are fun for the whole family and particularly ideal for informal entertaining. The outdoor chef-to-be can choose from a number of designs shown in *Donley Outdoor Fireplaces—How to Build Them*: a universal outdoor fireplace for those who like the charm of an open fire to combine with their cooking and grilling, or a combination steak-grill, outdoor range, and Dutch oven for the family who prefers big-scale operations. The Donley Bros. Co. (L-8C), 13961 Miles Ave., Cleveland 5, Ohio. 50c.

Finishing school is no longer necessary for the home craftsman if he's got a copy of *How to Create the Finest Wood Finishes.* Three easy steps are detailed for finishing both interior and exterior wood surfaces with the use of *Rez,* a combination wood sealer and stain. Whether it's redwood, oak, or Douglas Fir plywood, for that wall panel, coffee table or storage wall, you'll find the details for achieving effective and unusual treatments in this handy booklet. Merchandising Division, Monsanto Chemical Co. (L-8C), St. Louis 4, Missouri. 15c.

No part of a home speaks more loudly of the pride you put in it than the floors. To put yours in compliment-winning condition there's no better starting point than *How to Maintain Wood Floors.* Step-by-step illustrations and text show you how to tackle the job yourself from the preliminary steps through sanding and finishing to the final waxing and polishing. A section on floor maintenance equipment will guide you to choice of tools for most efficient job. Red Devil Tools (L-8C), Irvington 11, N. J. Free.

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3 The P&H Lee 3 Bedrooms, 920 sq. ft.

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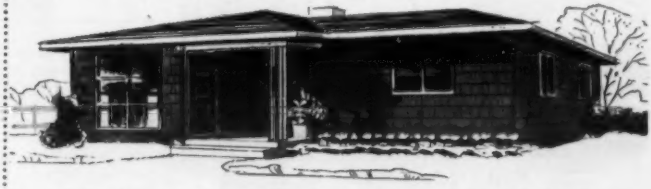
4 The P&H Regent 4 Bedrooms, 1,016 sq. ft.



Need lots of room? See the Regent. What a buy! Example: A typical P&H builder in Carpentersville, Ill., offers the Regent for **$600** *down,* **$62** *a month.*

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MUSIC FOR LIVING

By DAVID RANDOLPH

This is the period of the summer season which is most dangerous to morale. About now, if you have already had your vacation, you might well stand another respite from the heat. If you have not yet struck out on a holiday, your impatience to get bags packed may be almost unbearable. For those afflicted with wanderlust, I am devoting this column to a musical travelogue.

Thanks to the medium of recordings, it is possible to evoke the moods of far-off places without ever leaving one's own living room, and it is hoped that such vicarious peregrinations may make waiting for a real holiday more bearable. Since our tour takes place in the realm of sound only, we can visit the various countries in any order that suits our fancy. So let's hop aboard the magic carpet of sound!

The mysterious Orient is our first stop. For the exotically minded, Columbia has issued an LP disc devoted to the music of Bali. The record was made on the occasion of the visit to these shores, a few seasons ago, of a troupe of Balinese dancers and musicians. The recording itself is of such a superior order that one has the feeling of actually being among the players. For those who want something unusual in the way of sounds, this disc is a must. China is represented in a 10-inch Concert Hall Society disc, on which the bass-baritone Yi-Kwei Sze sings some of his native songs, accompanied at the piano by his wife, Nancy Lee Sze.

Now our imaginary tour takes us to Europe, with two discs of Hungarian Folk Songs issued by Bartók Records, in very understanding performances by the tenor Leslie Chabay, Tibor Kozma at the piano. The arrangements were made by two of Hungary's leading composers, Béla Bartók and Zoltán Kodály. Therefore, while they are musically interesting, they never lose the earthy flavor of the folk song. The recording, as is customary with this company, is very fine indeed.

Something of a miniature musical travelogue is contained on a single disc of Ravel songs issued by Concert Hall Society, in performances by the baritone Martial Singher. Under the title *Chants Populaires*, Ravel arranged a French, Italian, Jewish, and Spanish folk song. Each preserves its original feeling. The disc also contains the *Chansons Madecasses*, two very exotic works.

It has been one of the strange facts of music history that some of the best known Spanish music has been written by French and Russian composers. It goes without saying that in each case we have the native musical idiom as seen through the eyes of the individual composers. Nevertheless, the three works listed here do evoke the spirit of Spain. They are Debussy's *Ibéria*, recorded for Urania by the Prussian State Orchestra under Johannes Schüler; Ravel's *Rapsodie Espagnole*, recorded for RCA-Victor by Charles Münch and the Boston Symphony Orchestra; and Rimsky-Korsakov's *Capriccio Espagnol*, recorded for Capitol under the direction of Roger Désormière. For some Spanish music by a native composer, you might try Westminster's version of Manuel de Falla's exciting ballet suite, *El Amor Brujo*. The Madrid Symphony Orchestra is conducted by Pedro de Freitas Branco.

Here is music to capture the spirit of provincial France. Some years ago, Columbia issued a 78 rpm album of the *Songs of the Auvergne*, arranged by Canteloube. Since that time, the singer, Madeleine Gray, died. Since it would, therefore, be impossible to produce a new version with the same performing artist, Columbia has reissued these superlative performances on LP. Naturally, the recordings, as such, are not

[Continued on page 14]

Warm, friendly cherry and the glint of brass in a Colonial bedroom. Take a second look at the graceful Triple Dresser.

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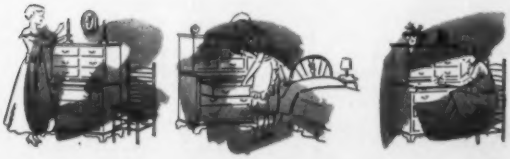

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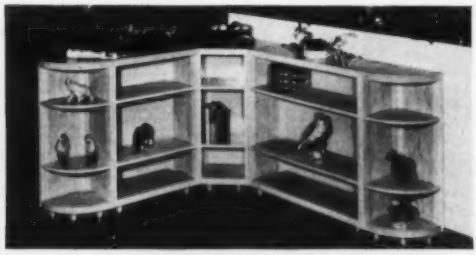
Music for living [Continued from page 12]

up to the highest modern standards, but the transference to LP has been done well enough to make the new version quite satisfactory. The songs and the arrangements, as performed by an orchestra under Elie Cohen, bring to life the musical feeling of a province of France.

The wings of song take us soaring across the English Channel and Vaughan Williams' *London Symphony* is an attempt to capture in music the feeling of that great city. The first movement depicts the city slowly coming to life at dawn; the scherzo conveys the hustle and bustle of the people, and there is a "poor march" in another movement. It has been recorded (appropriately enough) by the London Symphony Orchestra under Sir Adrian Boult.

Our musical travelogue now takes us a bit closer to home. The modern American composer, Aaron Copland, visited Mexico a number of years ago, and recorded his impressions of that country in a now famous orchestral work, *El Salon Mexico*. It uses a number of folk songs and dance hall tunes and presents them in an exciting orchestral garb. Leonard Bernstein directs a fine performance of it on a 10-inch disc, with the Columbia Symphony Orchestra.

The spirit of Africa is also evoked on the other side of the same record. True, it represents Africa as interpreted by a French musician, as a result of his visit to a night club in New York's Harlem! Nevertheless, it is an exciting realization of the African impulse, in terms of a modern orchestra. The composer is Darius Milhaud. The work is the ballet called *La Création du Monde*, written in 1923, after his visit to Harlem. Don't be surprised by the fact that portions of this music sound exactly like Gershwin, even though this work was composed one year before the *Rhapsody in Blue!* Bernstein again directs the Columbia Symphony Orchestra in the performance, which is entirely in keeping with the spirit of the music.



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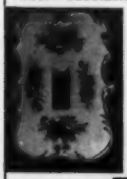

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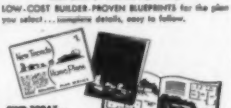

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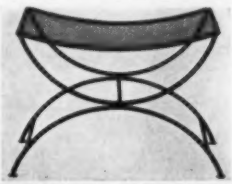

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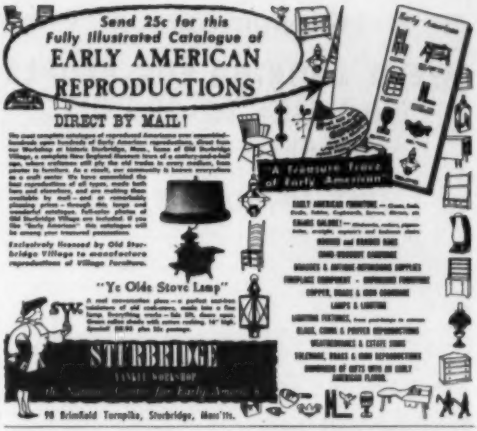

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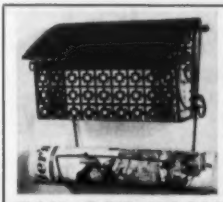

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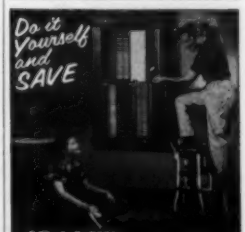

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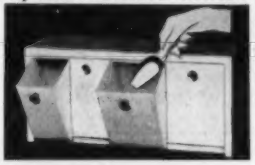

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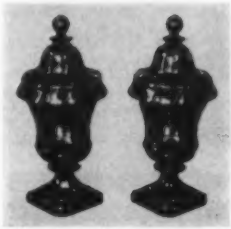

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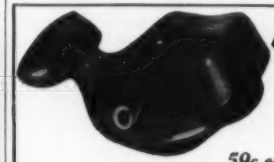

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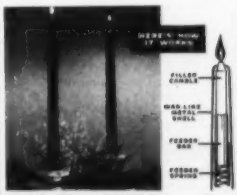

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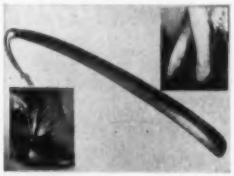

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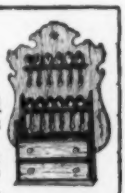

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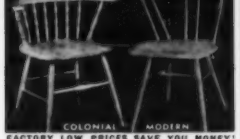

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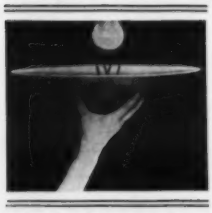

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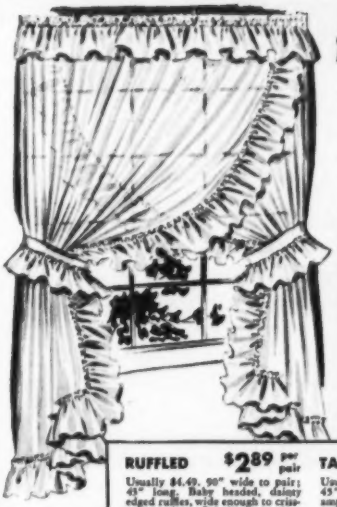

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90"	45"	4.49	2.89
90"	54"	4.98	3.29
90"	63"	5.49	3.59
90"	72"	5.98	3.89
90"	81"	6.49	4.09
90"	90"	6.98	4.39
90"	99"	7.49	4.79
168" (Double Width)	72"	12.98	7.19
168" (Double Width)	81"	13.98	7.98
168" (Double Width)	90"	14.98	8.49
168" (Double Width)	99"	15.98	9.98
246" (Triple Width)	72"	19.98	10.98
246" (Triple Width)	81"	20.98	11.98
246" (Triple Width)	90"	21.98	12.98
246" (Triple Width)	99"	22.98	13.98
330" (Quad. Width)	90"	32.98	16.98

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Width to pair	Length	Usually	Now
84"	36"	$2.98	$1.39
84"	45"	3.49	1.69
84"	54"	3.98	1.89
84"	63"	4.39	2.19
84"	72"	4.49	2.39
84"	81"	4.98	2.69
84"	90"	5.39	2.89
84"	99"	5.69	3.29
84"	108"	5.99	3.49

TIERS

Width to pair	Length	Usually	Now
78"	36"	$2.98	$1.39
78"	36"	3.49	1.59
78"	40"	4.19	1.79
78"	45"	4.49	1.99

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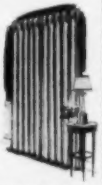

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63"	11.98	7.39
72"	12.98	8.39
81"	13.98	9.19
80"	14.98	9.98
99"	15.98	10.98
108"	16.98	11.69

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City..... Zone..... State.....
Total pairs ordered..... Total Price.....
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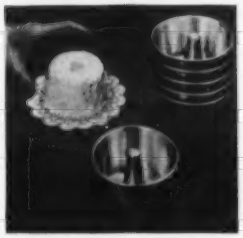

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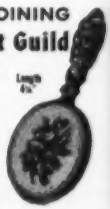

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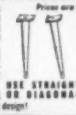

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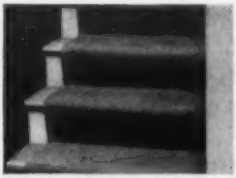

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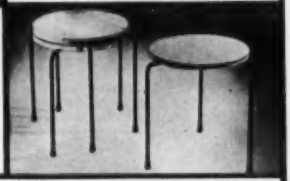

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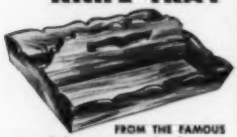

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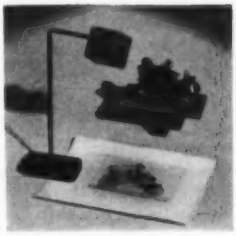

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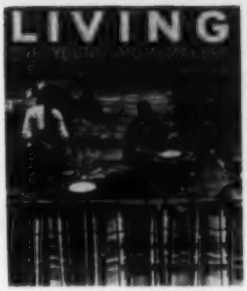

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LIVING
FOR YOUNG HOMEMAKERS

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What is your spare time worth?

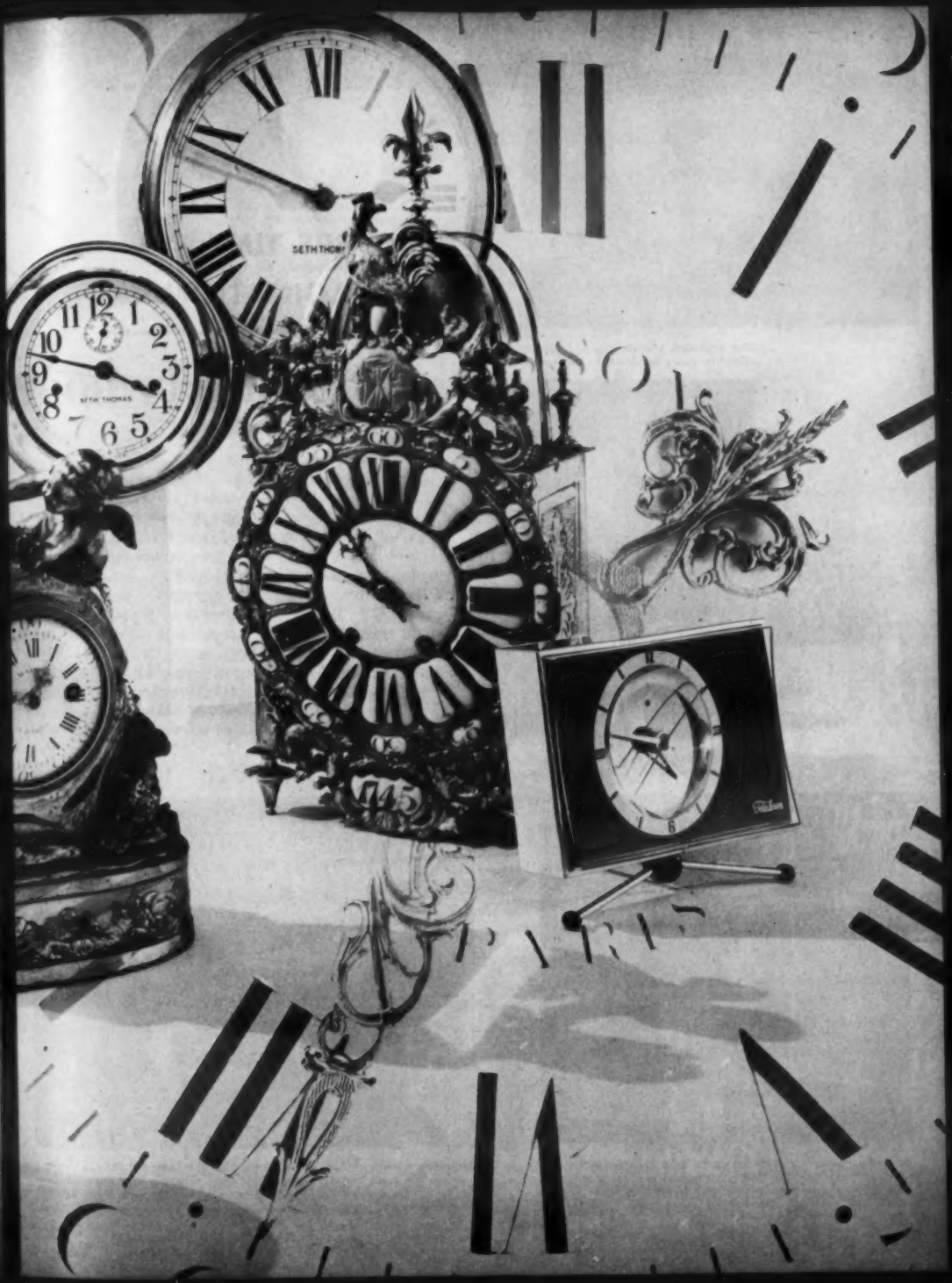
Leisure, when considered abstractly, does not seem typical of America. Our earmarks are hustle and bustle, speed and a frenetic kind of efficiency, yet, in truth, Americans have more spare time than anyone in the world. Perhaps because we have not always had it, we question it a little, regard it with a suspicious eye, and often refuse to accept it for what it is: a dearly won and very precious heritage. It is true that we live in troubled times; we worry, we fret, we argue. To escape the responsibility of serious thought, we spend hours before television, or over the back fence, or in a state of semicollapse from psychosomatic fatigue. Although we want very much, most of us, to be something more than we are, to own something more than we possess, we take refuge continuously in the sublimating clichés of the pipe dream, the ship that will come in, the castle in Spain, and let it go at that.

Tomorrow, perhaps, we may do something about it, but not today. Today is for lotus eating, and so we fritter away an invaluable possession. A long time ago, a poet named George Herbert remarked, and so wisely, that "he hath no leisure who useth it not." Somewhere in that statement lies the secret of contentment. The American passion for saving time (and no one else can do it so well) is meaningless when the spare time that is its result is dissipated without reason. We work about forty hours a week at whatever we do to make a living, and the leisurely week end is a foregone conclusion. When it comes, we relax in a heavy-handed way and, if we are in a mood to think, brood on the day when we will have read all of Dickens or have built the birdhouse that will attract, perhaps, a Bachman's warbler. This is not true of everyone, but it is true of too many, and if our lives are to reflect the grace that only leisure can give them, then we must be grateful for it, explore it, and learn what it can do for us. Relaxation is quite as successfully assured through an altered beat in the tempo of living as it is by lolling in a hammock, and we have the good fortune to possess the *time* to vary the pace of our lives in any way we wish. It is not a question of making every moment count (only ants pursue that philosophy) but of learning something we never knew. What we learn doesn't much matter as long as we are the better for it. It can be therapeutic or cultural or practical, and it should suit our temperament, our strength, and our intellectual capacity. We can study Esperanto, or for that matter, Greek. Unless we are tone deaf, music has undeniable charms, whether we choose the piano or the ocarina. We can learn to carve and, marble or soap, the medium is unimportant. We can square-dance, collect old bottles, raise rabbits, become gourmet cooks, learn to paint (if not a picture, then a house); make or build something we want and can afford no other way: a hooked rug, a finished attic, a new hat. We can memorize the sonnets of Shakespeare or the odes of Ogden Nash, and what's more (when gently persuaded), recite them.

The potentialities of spare time are overwhelming; they need only to be realized, and they must be planned, particularly when they are concerned with the home, with all the thought of which we are capable. Homemaking is undoubtedly the most important spare-time occupation of any. It can be a pleasure, it can be edifying, it can sustain ambition and buoy up the spirit, but only when it is approached with the kind of loving skill that has been nurtured with leisure. When it is not, it is a stultifying, enervating, laborious bore, and we have acquired not a home, but an albatross.

This issue (and the one to follow) is devoted to the young homemaker's spare time, and what he can do with it to broaden his life, to improve his mind, and to seek out new ways to amuse (in the truest meaning of the word, which is *divert*) himself and his [illegible]

JOHN MUSSELL


SETH THOMAS
SETH THOMAS
745

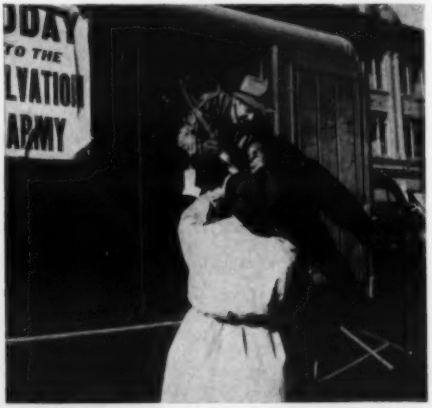
One large room, a set of tools, and a supply of lumber offered the young couple all the challenge they needed

Inadequate storage space was as much a deficit in the bathroom as exposed plumbing and unsightly walls

SPARE TIME + IMAGINATION

= A complete home

Many a young couple setting up housekeeping for the first time have found that a one-room apartment is the maximum space their budget can allow. Faced with this situation, some assume an attitude of forbearance, arrange to make their living quarters only passably comfortable, and then begin daydreaming of the home they will occupy some day in the future. Not so Karl and Betty Strand. From the beginning they determined to eat their cake and have it, too. They felt in their bones that it was possible to define the various areas they would need—sitting, dining, kitchen, and sleeping—in such a way that they would be functional and distinct, yet blend harmoniously into one unified space that looked at a glance like it might be one of many rooms in a larger home. The kitchen was perhaps the most stubborn fact to reconcile in such an approach, but the Strands both enjoy cooking and they made up their minds at the



Bargain purchases were found at the Salvation Army and remodeled to fit the Strands' needs. This old brass coat rack being unloaded from delivery truck was pressed into service two ways: bottom section as a table base, the large hooks of top as towel holders

Decorating sessions, though hard work, were found by Karl and Betty to be much fun, too. On many evenings friends dropped by to lend a hand and then later join in a snack and talk until the small hours. Neither Karl nor Betty had had much experience at carpentry before; learning by doing was a fast teacher

A young couple created variety in a 20′ x 30′ space, defining the functions of areas with built-ins as part of their decoration plan

in just one room

outset that they would be content neither with a makeshift hot-plate arrangement nor with eating out all the time. The problem of how to incorporate a full-fledged kitchen unobtrusively into their one room was actually solved with a contradiction: they made no attempt to mask the range—a thirty-inch model with oven—and yet disguised the sink in a cabinet designed on the model of an old French provincial buffet. Like the range and sink, most other units which they built themselves can move with them to their future home, whenever and wherever. Bookshelves, a wall bed, storage cabinets, even the flooring were installed to be taken up with ease when they vacate the apartment. A friendly landlord allowed the Strands to make a few minor alterations and the couple have not only succeeded in making their first home comfortable, but they have established a sound beginning for the permanent home which lies in their future.

Lack of kitchen *made invention necessary. The Strands undertook to build their own sink-cabinet, designing it to look like a piece of furniture so it would fit inconspicuously into the decorative scheme. The frame of the sink consists of 1 x 4s and 2 x 4s; sides are hardboard; legs were bought ready-made at a lumber specialty shop*

Moldings *of different shapes were used in conjunction with scrap lumber over hardboard to lend a French provincial flavor to the design of the unit. For curved moldings, ordinary straight moldings were sawed partway through, as shown here, and then bent to form an arc*

SCOTT HYDE

Bent molding *was nailed into place and the cracks where saw kerfs opened out were filled with plastic wood to give an unbroken appearance. Notice how molding has been used here to create a motif of provincial detailing*

Daily living went right along despite the general confusion of furniture building, floor laying, and other operations. The range was the first piece of equipment moved in; because apartment consisted of one room, it was planned to be an integral part of the living area

Skirt *was cut out of hardboard, using a paper pattern to give a scalloped effect. At right is completed unit with laminated plastic top and hardware*

[Continued on the next page]

An extra bed, disguised as a wardrobe, fits into room's decorative scheme

Mattress panel *and back for the unit were cut from hardboard to a size slightly larger than mattress. Cutting hardboard was speeded by use of power saw (Porter-Cable)*

Partially completed *assembly shows how bed operates. Mattress panel is hinged to wall unit, folds down onto stools. Molding holds mattress firm*

Bathroom revamping provides much-needed storage space and vastly improves appearance

Perforated hardboard *proved ideal material for wall surfacing, serving to hide wall defects and to provide easy mounting for shelf hooks and bathroom accessories*

To hide unsightly pipes *behind water closet, a hardboard covering was planned. Here pattern is being scribed to guide cutting of materials*

Hardboard gives an old door new styling, is principal material of mobile bookcase

Modernizing a door *encrusted with molding was done by ripping off molding, nailing on sheet of hardboard. For special effect, door was covered with simulated brick wallpaper*

End pieces *for shelves of mobile bookcase consist of wooden frames with hardboard panels. Moldings, mitered at corners, were added for decoration*

Simple trick makes it possible to have a floor and take it with you

After laying out *length of vinyl plastic surfacing, wall to wall, wide masking tape is affixed, adhesive-side down, to floor underneath meeting edges of the surfacing material*

Mastic is spread *over the top of masking tape and the plastic sheets pressed into place. Tape protects floor, makes removal of flooring easy*

False drawer front *and skirt, built of hardboard and molding, were designed as part of unit's provincial detailing. Lumber and moldings trim underside of mattress panel*

Pediment was shaped *from hardboard and mounted above the molding cornice to complete French provincial disguise. Antiquing stain was used for finished effect. To secure unit, it was bolted to wall*

Screw driver and drill *are only tools needed to mount perforated board to wall. For finished effect, board was painted white. Tank chain was shortened and concealed*

Wall cabinet *serves a triple purpose: enclosing the flush tank, providing storage, and converting light of bare bulb to indirect illumination. Hardboard panels slide on tracks formed by molding strips*

Base units *were made by combining old file cabinets with shallow-shelved fronts, covering both with a sheet of hardboard. Doors are hardboard, scrap lumber, molding frames*

Top shelf assembly *is completed except for setting in of shelves. Frame consists of 1 x 2s with moldings added on outside; 1 x 1s support shelves. For mobility, assembly is not joined to the base*

SCOTT STUDIO

Cutting and positioning *of surfacing strips should be done carefully to assure neat seams. Any mastic that oozes up through seam is removed with carbon tetrachloride*

Until mastic dries *weight should be applied over seams. A way to do this is shown: a plank weighted with records has been laid over seam*

ALL HARDBOARD FROM THE HARDBOARD ASSOCIATION

Finished product of Strands' spare-time remodeling activities seen on the following two pages

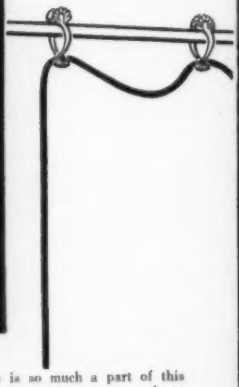
The many lives led by this one-room apartment are deceptively concealed by its relaxed decoration. By day, room is in turn a living area, a dining spot and, at one end, a food preparation zone. By night it is a bedroom. Light reflecting paints (O'Brien) have helped to brighten the room and increase its apparent space. The same effect, plus the asset of easy maintenance, has been obtained by using Armstrong's vinyl plastic surfacing in the *Granette Corlon* pattern. Only carpeting is the single, white throw rug. For sleeping, the felt-covered sofa, a frame-enclosed mattress and box spring by Englander, converts to a bed. The French provincial wall unit opens to expose a second bed, as shown at left. Full-length Swiss embroidered curtains by Ottavia are used as draperies. Low café curtains by Craig at desk window conceal three-quarter-ton window air conditioner (Servel) when not in use. When Strands move it will go along with them

DRAPERIES, CAFE CURTAINS AND CURTAIN HARDWARE AT LORD & TAYLOR, NEW YORK

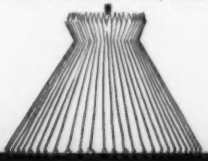
Change of scene is important in a one-room apartment, and nothing is simpler to alter than the window treatment, particularly when quick-change clips are used to hold ready-made draperies. Treatment Number One combines pink and black denim curtains, by Craig, which blend with the red and white provincial toile print

Pinch of the clips, and the scene shifts to sill-length draperies hung over café curtains. With a new arrangement of furniture, the room acquires a completely different look. A third window treatment (opposite page) pairs full-length draperies with café curtains hung at sill level. Ottavia curtain clips, rods

ERNEST SILVA



Kitchen area is so much a part of this apartment that no attempt was made to hide it. The result is very much in the manner of a French café. The sink unit (built as described on page 33) has the appearance of a provincial chest, and is equipped with Briggs sink and a *Formica* top. *Space King* range (RCA Estate) is against a wall of simulated brick paper, and the mobile hanging lamp is suspended from a U-shaped unit made of three brass drapery rods with the wiring held in place by the same decorative clips used at the windows. Shelf sections on rear wall are hung like bookcases and can be easily dismounted

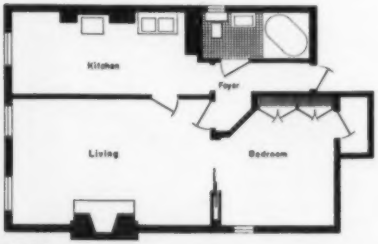


See *Your Guide to This Issue* for further information

Old apartment, definitely seedy, had nothing to recommend it particularly except its high ceilings, a feeling of potential space, its tempting price: $29 a month

More room tha m

A four-flight walk-up apartment—a relic of better days—presented a challenge that was met with skill and ingenuity



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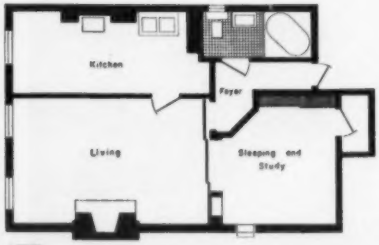


AFTER

Main alteration in plan was to rip out old sliding door and part of partition between the living room and bedroom and to replace it with a translucent, sliding plastic screen that permits light to enter the bedroom. False ceiling of plastic in hall conceals lights, gives the effect of skylight

John and Peggy Hastings are newlyweds who (like many young couples in that halcyon state) are grateful for their blessings but wish their purses were a little fatter. Both grew up in small towns where they lived in big, old houses on tree-lined streets, and both succumbed to the lure of New York where trees and space seemed beside the point until they began searching for a home. John's modest salary made a low rental imperative, and it was only after a Sherlock Holmesian hunt through the city that they found an apartment: three rooms on the top floor of a block of flats long past its prime. It was unheated, the plumbing was antique, the kitchen utilities were literally on their last legs, but it had a certain spaciousness and the rent was $29 a month. The Hastings crossed their fingers, signed a lease, and moved in. The immediate prospects were dismaying. Walls were solid, but scabrous with old paint; floors were paintless and not so solid, and the only light came from two windows in the living room and one in the kitchen. The bedroom had a window mysteriously facing a brick wall, and a small storeroom was cloaked in perpetual gloom. Any metamorphosis that was to provide light and more space would obviously involve a small miracle, and that, in a practical sense, is what took place. With the help of willing friends, the rickety floor was covered with a hardboard underlay, and then with vinyl tile. A wallpaper mural was hung in the living room over a painted dado that simulates a marble balustrade. The storeroom became a walk-in closet; the bedroom, a bed-sitting room with walls completely surfaced in perforated hardboard. Since its window let in nothing but dust, it, too, was covered. An old-fashioned sliding door between living room and bedroom was ripped out, and a sliding plastic screen installed in its place so that light might penetrate the length of the apartment. An air-conditioning unit and a Franklin stove were purchased to combat the elements and, thus, with a great deal more work than money, the flat was transformed: a true phoenix from ashes.

Its gloom dispelled and its creaking floor silenced by hardboard underlay and vinyl tile, the living room is a credit to the Hastings' hard work and good taste. Walls are hung with a scenic wallpaper purchased in black and white and then hand-tinted by John and Peggy. The balustrade dado was first outlined with a templet, then painted and marbelized by a friend with a knowing hand

money was the Hastings' problem

left to right

***Friendly helpers** displayed a talent for construction and a remarkable capacity for beer and hamburgers. At far left, assembly line prepares for the hanging of the living-room scenic wallpaper. Next, paint samples (and a temper or two) are being tried: a miniature print of the wallpaper mural serves as a guide. Third, the marbelizing expert takes over—a tricky job that requires just the right touch with sponge and brush, and finally, all hands fall to in laying the vinyl flooring*

SCOTT HYDE

Benjamin Franklin's famous invention, the stove that bears his name, does yeoman duty to keep the living room warm. The fireplace proved to be too shallow to house a fire large enough to warm more than a kitten, and now holds the stove on its hearth. As a further protection against cold, heavy cotton tweed, ready-made draperies were hung with brass pinch clips over long café curtains. In summer, the windows change their hangings to fully-lined *Durafaille* draped over short, gaily striped café curtains. On very hot days, old-fashioned shutters (relics of former days) can be drawn from their recessed compartments on either side of the windows. The marbelized, hardboard cabinet was built by John to hold a record player, albums, and someday, perhaps, a television set. Craig draperies, curtains, and studio bedcover. Ottavia curtain clips; the scenic wallpaper, Richard Thibaut; Portland Stove

Bed-sitting room, its walls surfaced in perforated hardboard, seemed the most logical spot for the air-conditioner, installed in lower section of the useless window which was then concealed with hardboard. Two fluorescent channels are hidden in the wall behind the sliding *Panlam* plastic screen to illuminate the desk and give the room a soft, diffused background of light. Three-quarter-width sofa-bed is a foam rubber mattress on a platform mounted on wheels at the back so that it may be pulled out for easy making. Ceiling and wall surfacing were painted stark white—an effective background for John and Peggy's collection of paintings, prints, and bric-a-brac: the trophies of constant search in the antique shops and art galleries of their new neighborhood. Congoleum-Nairn vinyl tile, Mitchell Room Air Conditioner, Glidden *Spred Satin* paint throughout

DRAPERIES, CAFÉ CURTAINS AND CURTAIN HARDWARE AT LORD & TAYLOR, NEW YORK

[Continued on the next page]

Before remodeling, *old walls, ugly moldings, and heavy-doored makeshift closet made room oppressive*

Closet *was tackled first. All old construction was removed, including doors, framework, and hardware. Wallpaper lining inside of closet was soaked and peeled off. Plan was designed to give more closet space by increasing closet height*

Remodeling equipment *consisted of a set of hand tools and a portable power saw. The saw was particularly helpful in cutting the hardboard, used extensively for the wall paneling, shelves, doors, flooring underlayment*

First step *in new closet construction was to lay a platform floor. Consisting of a 1 x 4 frame with hardboard top, the platform floor serves to prevent accumulation of dust which otherwise would drift under closet doors*

Adjust[illegible] *elves o*[illegible] *versatile s*[illegible] *ace. S*[illegible] *the chann*[illegible] *acket t*[illegible] *to studs;* [illegible] *ackets,*

To mount hardboard panels *to plaster walls, door and transom panel, 1 x 2 furring strips were attached and painted black to make them inconspicuous under perforations. The strips assure flat surface on all areas*

Hammer and nails *were only equipment needed for mounting wallboard. Panels were cut to sizes required and nailed to furring strips. Care was taken to align adjoining sheets and perforations*

Full-width [illegible] *used*[illegible] *clear areas of* [illegible] *ing s*[illegible] *wall at righ*[illegible] *d to t*[illegible] *sixteen in*[illegible] *r to*[illegible]

ALL

Perforated hardboard walls gave the bedroom a fresh, up-to-date appearance, and one wall of sliding door storage closets added new utility

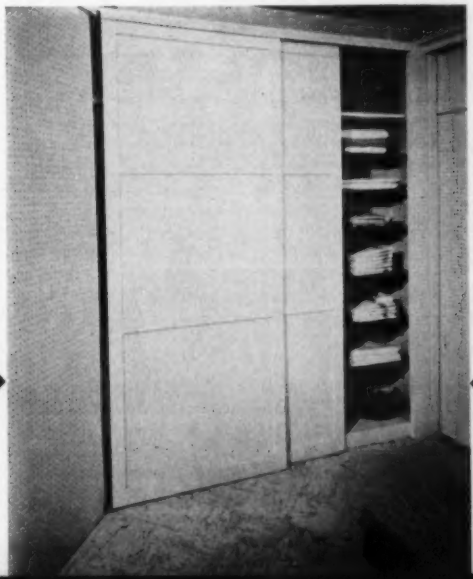
j u s t *elves of hardboard provide satile* *ce. Shelf hardware is of channel* *cket type; channels screw studs;* *ckets, hook to channels*

Closet doors *were built up of hardboard and common lumber. Hardboard was cut to measure; lumber frame consists of ½ x 4 bottom strip, ½ x 3 stiles and top strip, and ½ x 2 crosspieces screwed to board*

Sliding doors *were hung on an overhead track; roller hardware on doors gives them their mobility. Metal track of one-piece design was mounted to front edge of closet top; doors hook over track and move easily*

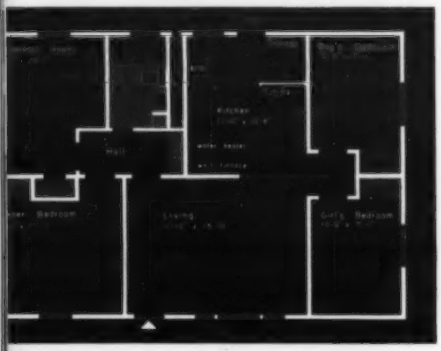
width *used on the r areas of* *ng strips on at right* *d to the studs teen in* *r to center*

To complete revamping *of room, all perforated hardboard as well as closet doors and wood trim were painted white. Roller with mohair cylinder and a rubber base paint were used for the job*



ALL HARDBOARD FROM THE HARDBOARD ASSOCIATION

***In a square-foot area** of 900 feet, house includes four bedrooms, a good-sized living room, bath, kitchen and dining space. Plumbing and utilities are concentrated in one area to cut production costs, and water heater and wall heater are strategically located in exact center of the house*



Owner-labor *consisted of laying plastic floor tile, all interior painting, building additional storage cabinets and bookcases, the hanging of closet doors (traverse bamboo blinds), and making all curtains, draperies*

SIMPLE ARITHMETIC ADDS UP TO

To the interested onlooker, Marvin and Mary Hawkins' home in Danbury, Connecticut, establishes itself immediately as an attractive house that must belong to an attractive family. Although it has both of these qualifications, it has a further claim to fame in being a low-cost home with a capital L, proving that the look of comfort inherent in some houses often has nothing to do with their price tags. For seven years, the Hawkins had lived in a rented house, realizing nothing from their monthly expenditure but a roof over their heads. They had always wanted to own their own home and had planned and schemed for years without ever quite feeling (like so many potential homeowners) that they dared take the plunge. Seven years of rent paying, however, can make a brave man of a Milquetoast, and they decided that if they must settle for a low-cost home, then settle they would. They found it in Danbury in a $6,500 house (with lot valued at $800) prefabricated by National Homes, for a down payment of about $500 and a carrying charge of approximately $42 a month. In return they have a four-bedroom house (900 square feet in area) on a beautifully wooded plot of land. The packaged structure included weather-stripped doors and windows, complete plumbing (including fixtures), water heater, wall heater and chimney, kitchen cabinets and sink, electric wiring and fixtures, rough and finish hardware. The Hawkins themselves painted the entire interior, laid vinyl flooring, hung closet doors, and did additional (and interesting) carpentry. Lumber, flooring, and paint cost $434.65, and for $1,739.89 the house was completely furnished, including kitchen appliances and a television set. Lamps and accessories were chosen with one eye on good design and the other on the Hawkins' pocketbook. No lamp cost more than $7.95, no picture more than $1.50 (framing was done at home), and the dime store proved to be an excellent source, costwise, designwise, for ash trays, vases, and certain housewares. The final outlay was $169 for a carport bought prefabricated from the builder, and the Hawkins' rent-paying days were over. To them, the house represents the answer to an emotional need: not something coldly acquired for $500 down and so much a month, and we believe that there will soon be a rash of similar young families who, by establishing an equity in a home, will be able to live in comfort at a price they can afford.

See page 90 for building data

Finished house *presents a pleasant façade to the Connecticut countryside. A prefabricated carport acting as a shelter for either the car or a small terrace was added to the right of the living-room windows to give the exterior additional interest and a variation in roof line. Already heavily wooded, the plot was completely landscaped by the owners with the addition of flowers, shrubs, walks*

UP TO A HOUSE

BREAKDOWN OF COSTS

house and lot	$6,500.00
carport	169.00
living room	323.35
dining room	49.50
den	107.54
master bedroom	208.75
girl's room	94.90
boy's room	93.85
plastic dinnerware	14.95
curtain hardware	11.36
accessories and pictures	24.31
paint	49.90
flooring	272.80
fabric and trimmings	143.06
lamps and lighting	88.68
lumber	111.95
television set	139.95
range	94.95
washer	119.95
refrigerator	224.79
Grand Total	$8,843.54

ALL PHOTOGRAPHS BY LUIS LEMUS

[Continued on the next page]

A. *Unfinished living room, facing entrance*

Mother and daughter *proved quite adept at laying the vinyl floor tiling: a diamond pattern of black, gold, and gray*

Painstaking hard work and perseverance finished this interior

B. *Unfinished living room, facing dining area*

Father and daughter *became a painting team: one plied the roller; the other stirred, mixed, and advised*

LIVING ROOM	
1 room divider	$ 39.50
1 sofa	132.50
1 coffee table	12.95
1 lamp table	12.95
1 linen chest (4 drawer)	59.95
1 chest (2 drawer)	28.00
2 armchairs @ $9.95	19.90
Garcy channels and brackets	17.60
Total	$323.35
DINING ROOM	
1 dining table and 4 chairs	$49.50

Completely transformed, *the living room emerged as a room with a definite air of comfort about it. Since money was so important, knock-down furniture (as easily assembled as a* Tinker Toy*) was selected for adaptability and good value. Color throughout the house was accelerated to the point where it became, in variety and intensity, an attractive and satisfying visual substitute for expensive decoration. At left, room as it appeared in* **A***; above, as it appeared in* **B***; opposite, the window well. Wrought iron pieces: Baumritter; solid Honduras mahogany chests:* Focus *furniture.* Hako Vinylflex *flooring,* Dutch Boy *paints throughout*

[Continued on the next page]

Fourth bedroom *(a luxury in a small house) is half playroom, half guest room, with television and a buttercup-yellow and gray color scheme as its main attractions. A triangular storage cabinet was built into one corner to hold the television, and the sofa-bed is a foam rubber mattress supported by a platform and flanked by headboard cabinets: all the work of the Hawkins'. Sides and back rest of the sofa unit are covered in the same yellow and white stripe used for draperies; mattress cover, walls, and floor are platinum-gray*

FOURTH BEDROOM

1 mattress	$ 35.00
1 angle coffee table	12.50
1 armchair	9.95
1 pedestal for table	15.00
stacking stools (set of three)	10.95
Gercy channels and brackets	15.44
2 pairs glass curtains @ $4.35	8.70
Total	$107.34

Master bedroom *(like Gainsborough's* Blue Boy*) runs the cerulean gamut. Turquoise, copen, and a soft violet-blue are combined in pillows and the broad stripes of the bedcover, headboard, and valance, and the rug is a blend of the same blues with a peppering of black. Walls again are platinum-gray, as they are in each room of the house (wise economical planning to prevent waste of paint), and the window is hung in sheer glass curtains of the same misty color under turquoise denim draperies. Kendell denims throughout*

MASTER BEDROOM

1 chest (2 drawer)	$ 23.00
1 chest (2 drawer)	28.00
1 twin chest (2 drawer)	36.00
1 chest (3 drawer)	39.95
1 box spring and mattress (4/6)	60.00
2 27 x 50 Woltrend rugs @ $5.65	11.30
2 pairs window curtains @ $5.25	10.50
Total	$208.75

Boy's bedroom *sports a frieze of mounted prints of antique vehicles running in a U above the sofa-bed unit (again, owner-constructed) and extending out from one wall to conceal a fluorescent channel for reading. Colors range from eggshell to toast to hickory, spiked with a pillow or two of sage-green and a plastic upholstered chair in deep emerald. Reversible fiber rug is brown, beige, cream: good-looking enough to suit the tastes of the most discriminating small boy, tough enough to withstand his (and any visiting fireman's) constant scuffing*

BOY'S ROOM

1 mattress	$35.00
1 desk	39.95
1 side chair	5.95
1 Braidwai rug (54 x 90)	12.95
Total	$93.85

Girl's bedroom *is as gay as a carrousel with coral and white striped denim dressing-table skirt, window valance, and sofa-bed backing. Draperies and mattress cover are solid coral; rug, an interwoven mixture of rayon and wood fibers, is scarlet, pink, and white. Alternate bands of white and flame stripe the chest, and the sheer glass curtains are a pearly off-white. Vivid, spirited, the combination of pinks and reds gives the room a youthful dash (so highly prized by the younger set), yet is held in tow by the softening background of pale-gray walls and floor tile*

GIRL'S ROOM

1 mattress	$35.00
1 stool	9.95
1 chest (3 drawer)	39.95
1 Waltrend rug (27 x 50)	5.65
1 pair glass curtains	4.35
Total	$94.90

[Continued on page 89]

Before Quakers acquired this block for slum clearance project through the Philadelphia Redevelopment Authority, 114 families lived here in sordid squalor. Houses, though structurally sound, were dilapidated; yards were littered with debris. Population of block, formerly 98 percent Negro, is now 65 percent white, like surrounding neighborhood, a result of the Quakers' design for interracial living

Demolition was the first job on self-help schedule. Future owners of cooperative apartments worked off their down payments by ripping off broken trim and rickety additions. No attempt was made to restore period style, but materials like fine old floor boards were salvaged for use in remodeling

Big sign at far left of building on corner of Fairmount Avenue and Eighth Street says, "Live in Phila's First Redeveloped Neighborhood. Work is your down payment." At door to project office two self-helpers discuss progress of work. Reading Railroad in distance has eliminated smoke nuisance

In workshop set up in the basement of project office, self-helpers built kitchen cabinets for all apartments. In their spare time, they rebuild and refinish castoff furniture for new homes. This building (see exterior at left) will eventually become a recreation center for the whole community

In the court between houses, men cooperators did all the yard work and miscellaneous masonry, and laid the concrete for a play yard. This precious outdoor space used to be divided by rickety board fences into a series of dingy back yards like those seen at top of page

Wives took over the interior painting after the contractor's men had finished plastering and wiring. Project manager George Green lack helps them mix paint colors

SPARE TIME IS DOWN PAYMENT ON A HOME

By MARY ROCHE

Corner of Eighth and Brown Streets, once a dismal spot blighted by railroad smoke, has a clean face now that first half of Quakers' self-help remodeling program has been completed. Sponsors have no permanent financial stake in the project since property will be fully owned by the occupants as shareholders in the Eighth and Brown Mutual Housing Corporation

Landscaped courtyard provides a clean, airy place for children to play in and mothers to relax outdoors. Wherever possible, architect Oskar Stonorov retained characteristic details of the 100-year-old houses, like the gingerbread bay jutting from left of the house below. All additions are modern

There are ten million substandard dwellings in fourteen typical American cities," Mayor Joseph S. Clark of Philadelphia told an audience recently. "It would take $4,002,000,000 to remove them—or two and a half times those cities' total annual revenues." Figures like these are enough to scare the wits out of anyone who starts to think about slum clearance. But the Quakers in Mayor Clark's own city do not scare easily. They seem to be able to take the measure of Goliath without blinking, then knock off a chip and go to work on it. When they are finished, everyone is startled to discover that they have accomplished what everyone knew for sure could not be done. The Quakers' chip off the Goliath of slum clearance is one square block about a mile northeast of Philadelphia's city hall. One half of it, including nine 100-year-old single family houses, has now been transformed into a community of fifty-two airy, modern apartments with access to well-ordered outdoor play areas such as that neighborhood had not known for more than fifty years. But that is only part of the story. The new apartments are co-operatives, purchased by the occupants on an FHA-insured, ninety-percent mortgage to be paid off in forty years. The ten percent down payment would ordinarily be called for in cash. But almost none of the lower-middle-income families who most needed these apartments could put up $700 to $1,200 in cash. So the sponsors accepted a substitute for money: 800 to 1,000 hours of spare-time work. As might be expected, this unorthodox scheme was not set in operation overnight. It is ten years now since Francis Bosworth, director of the Friends Neighborhood Guild, a settlement house, announced that the best hope he could see for combating juvenile delinquency [Continued on the next page]

On moving day everybody turns out to help the Kietzmans cart household effects next door to their new home. While waiting for their apartment to be finished, the Kietzmans had to live in one of the dingy houses not yet remodeled

In her new home Martha Kietzman (right) hangs doors of kitchen cabinets with help of a neighbor, Mrs. Alma Carson. Mrs. Kietzman applied fabric panels to doors with wallpaper paste, then sprayed them with plastic. With husband, she made settee from an old sofa

Ante-bellum windows give interiors cha-acter, inspire treatments like this co-bination of shutters and white musl-café curtains. Baseboard heating was in-stalled in all houses, replaced coal stov-

was better housing. In 1947 he joined forces with the American Friends Service Committee and the two agencies set forth to tackle Government and financiers.

It was not easy to get FHA backing for a project that involved amateur labor. Nor was it easy to persuade mortgage investors to put money into a run-down neighborhood. There were also some misgivings about the Quakers' determination to make the project interracial. And before any deal could be clinched, the co-operative had to be formed and members signed up. All the Quakers had to show prospective co-operators at that point was a set of blueprints and a blighted block where 114 families had lived in houses built for twenty. However, Quaker patience triumphed. After all difficulties had been ironed out, it took twenty-eight Philadelphia lawyers to sign the FHA agreement.

June 6, 1952, was the joyous day when the co-operators, chafing over the long months of delay, were finally allowed to go to work. With hammers, crowbars and wheelbarrows, they set to, knocking down broken plaster, ripping off sagging trim, and carting away rubbish—450 double truckloads of it. As they stripped each house to its sound core, the contractor's men arrived and started reconstruction. To meet the city code, all major structural work, along with the plumbing, wiring, and plastering, had to be done by skilled workmen. The amateurs finished up.

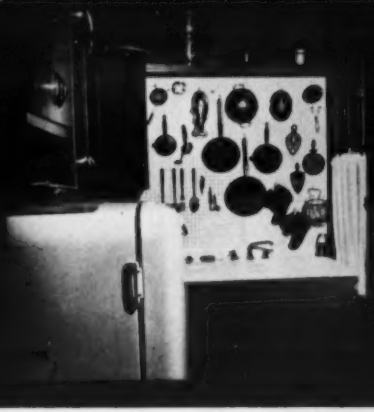
Like the union laborers, they followed the contractor's schedule, working under the supervision of his foreman; and their part of the job was included in the contractor's cost-estimate as if it *were* to be performed by union labor. But the self-helpers, naturally enough, were slower. So their "pay," or the credit they got for each hour of work, was based on the estimated cost of the whole job divided by the number of hours it took them to get it done. They did ten percent of the total job including all of the demolition, yard work, interior painting and refinishing, and laying asphalt tile.

Few of the self-helpers were very expert to start with, and some were downright liabilities. No one is likely to forget the day a young woman new to the job shoveled a pile of trash out of the window and made a direct hit on the FHA inspector standing in the court below! They learned by doing, and before long they started to specialize. One girl installed room after room of asphalt tile flooring, another sanded doors.

Meanwhile, they all had jobs or children to take care of—sometimes both. Self-help hours had to be squeezed into evenings, week ends, and summer vacations. At times the work seemed to lag, but by Christmas, the first apartment was ready for its new owners. The last apartment in the first half of the block was finished last April and the co-operators gave a party to celebrate. To expedite financing, the project had to be divided into two stages, but work on the second half of the block will begin this year, according to present schedules.

The Quakers, their architect, Oskar Stonorov, and everyone else connected with the project are quick to remind visitors of the first commandment of remodeling: be sure you have something good to start with. They had semidetached, three-story brick houses which were mansions in their day, with elegant marble doorways, big windows, high-ceilinged interiors, and solid floors still sound, for the most part, after decades of abuse. Out of these, the architect fashioned modern apartments ranging from one-to-four-bedroom units with considerably more character than most newly built apartments in the same price class. Monthly payments of $50 to $85 cover heat, utilities, interest, and amortization.

Ask any of the new occupants what they like best about their



Spacious dining-kitchens are assets to families like the Winthers whose children range from Tommy, age three, to Patricia, sixteen. Cabinets are painted light blue; the floor is blue and yellow tile. The Winthers put in 1,000 hours of self-help work

Social worker Jean Proebstel developed hand with a paint roller. She is one of several modest-salaried professional people grateful for self-help opportunity

Pegboard for cooking utensils dresses up tiny kitchen in an apartment for two. Though it is separate from living room, there was no space for door between, so owners decorated it to harmonize. White appliances contrast with the spice-colored cabinets, copper accessories

new homes and the answer is almost always the same—the *space*. "Where we lived before," said one mother of three, "if the kids were watching television, I'd have to wait till the program was over before I could get through the living room." She has also discovered for the first time in her life, how nice it is to know her neighbors. The several hours of painting she put in to lighten her husband's self-help quota were her first experience with community enterprise.

However, neighborliness never gets out of hand. "You can have as much privacy here as you can in any other block in Philadelphia," says the oldest co-operator, a retired restaurant manager. For him, the Quaker project solved a problem common to thousands of his age: how to manage on a small, fixed pension with the cost of living rising steadily. He is proud of the 400 hours of self-help work he added to his part-cash down payment, and his neighbors say he looks fifteen years younger than he did the day they first met him.

A young Negro accountant who works for the city of Philadelphia is typical of another large group of misfits in the country's housing puzzle: the graduates of low-cost public housing. As a veteran, this young man with his wife and two children qualified for a public housing project, but they did not like it much. "You had the feeling the inspector was looking over your shoulder all the time," he said. Before long, his income rose above the allowed maximum, and he could hardly wait to move. But where to? The only new housing he could afford—and where Negroes were accepted—was in a suburb several miles from his job. It was that, or move back to the slums. For him, the Quaker project meant a clean home for his children and independence from subsidy.

Helping people to help themselves, the Quakers think, is far sounder than charity because it builds up the important quality of human dignity. They are enthusiastic about the self-help plan because it makes home ownership possible to people who might need years to save up enough cash for a down payment. And in slum clearance, self-help is the best possible assurance that the rehabilitated property will be kept up. People are not apt to mutilate what they have paid for with sweat and elbow grease.

Long before they signed the FHA agreement, the Quakers had taken other steps to insure the survival of their project. A campaign of quiet needling accomplished the following: the Philadelphia Redevelopment Authority certified twenty-five blocks surrounding the Quakers' as an area for redevelopment; the Reading Railroad, whose line runs half a block away, speeded up its conversion to electric engines and Diesels and tore down the refueling station which had formerly blanketed the neighborhood in perpetual smoke; two blocks facing the Quakers' were cleared for a lower-middle-income housing project; three more blocks were cleared for subsidized public housing; a three-block buffer strip between all these properties and the railroad was cleared for landscaping as a green belt; another block is being converted by the city into a playground.

The actual cost of remodeling the old houses came to an average of $9,300 per new apartment including land, which is a good deal less than prevailing costs of new public housing in central city areas. In addition, the Quakers spent about $60,000 for extraordinary legal fees and other administrative services which they expect to write off as "the cost of pioneering." They plan eventually to rehabilitate three adjoining blocks, and on the second and third time around, they figure, those costs will be avoided. Meanwhile, they hope civic-minded organizations will take heart and tackle slum clearance projects in other cities.

Thorough remodeling calls for sound wiring

Out of sight, out of mind is an unfortunate truism when it comes to remodeling a home. Vital parts which function quietly behind the scenes usually take a back seat to more dramatic surface changes. A home's electrical system is a good example. The progress of electricity has been so swift that even homes considered new are often inadequately wired. In fact, what might have been a practical wiring system ten years ago—and four out of five dwellings are as old as that—may be outmoded today because homeowners are buying so many new appliances and using so much more electricity.

This year, *Light's Diamond Jubilee*, the seventy-fifth birthday of the electric light bulb, is a good time to ponder whether your home is adequately wired and if it is not, to include wiring in any remodeling plans you are making.

Check the following list of "symptoms" and if you find any or all prevail in your house, it's time to reassess your electrical system: one appliance must always be disconnected in order to plug in another (usually true in kitchen); "octopus" outlets (four or five cords connected to single outlet) are found throughout the house; television reception is unusually bad when appliances are in use; furniture arrangement is limited by the location of outlets; lights dim noticeably when appliances are operating; heating appliances, such as an iron or toaster, are slow to heat; extensions must be strung around rooms in order to connect lamps and appliances; rooms and stairways must be entered in darkness because of a lack of wall switches. If these symptoms exist, your house is inadequately wired.

To include adequate wiring in your remodeling plans, the first step is to make a list of all the lamps, appliances, and fixed lights which you now have and expect to have during the next few years. You'll find that a forecast will save you money in the long run. An upstairs closet light which you've always wanted but overlooked will cost much more if you wait to do it later and as a separate project. Next in your wiring survey, and most important, check your electric service entrance. ¶This has two parts—the wires which bring electricity into the house from an outside power supply; and the main switch and fuse (or main circuit breaker) which serves as the junction point from which electricity is distributed. All your present and future use of electric service depends upon the capabilities of your service entrance. The size of the wires determines the amount of electricity which can be brought into the house at any one time. The main switch and fuse, or main circuit breaker, should match the capacity of those wires. If either part of your service entrance is too small, a single, new major appliance may make it necessary to replace the entire service entrance. It may be extremely difficult to check

Table of Service Capacities

Floor Area (square feet)	No. of Rooms (Approx.)
UP TO 1,000	4 OR LESS
1,000 TO 2,500	5 TO 9
2,500 TO 3,000	10 UP

Table of Wattages

230-VOLT CLOTHES DRYER	4,500 WATTS
115-VOLT CLOTHES DRYER	1,500 WATTS
CLOTHES WASHER	700 WATTS
DISHWASHER	1,155 WATTS
(HEATING UNIT)	
DISHWASHER	290 WATTS
(NO HEATING UNIT)	
WATER PUMP	700 WATTS
WASTE DISPOSER	500 WATTS
HOME FREEZER	350 WATTS
IRONER	1,650 WATTS
ELECTRIC ROASTER	1,650 WATTS
TOASTER	1,100 WATTS
HAND IRON	1,000 WATTS

RICHARD E. HOWARD

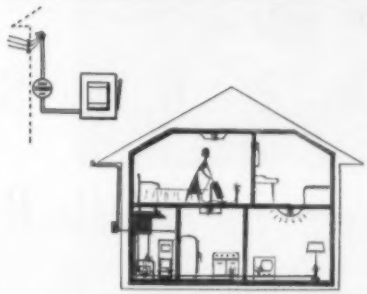
wire and equipment sizes. It would be best to have this done by your local power company or a reliable electrical contractor.

However, it *is* possible for you to find out how large the service entry should be in an old house. Check the table below for service capacities sufficient to supply your lighting, portable appliances, refrigerator, range, and water heater. These capacities will also carry other major appliances, providing their combined wattage does not add up to more than 4,500 watts extra in a house of up to 1,000 square feet, or to more than 6,000 watts in larger houses. (For wattages of common major appliances check other table below.)

If, after checking your electric service [Continued on page 91]

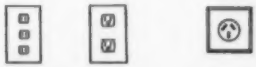
Service (Amperes)	Circuit Breakers	Rating of Service Equipment (Amperes) Switch	& Fuse
	70	100	70
	90	100	90
	100	100	100

TABLE HEATER	1,000 WATTS
FFEE MAKER	UP TO 1,000 WATTS
FFLE-IRON-GRILL	UP TO 1,000 WATTS
EVISION	300 WATTS
OR LAMP	150 TO 300 WATTS
CTRIC BLANKET	200 WATTS
RIGERATOR	150 WATTS
LE LAMP	50 TO 150 WATTS
UUM CLEANER	125 WATTS
ER	100 WATTS
IO	100 WATTS
LT-IN VENTILATING FAN	100 WATTS
TABLE ELECTRIC FAN	100 WATTS
ORESCENT TUBE	15 TO 40 WATTS



Service entrance wires (top left) tap electricity from the power line and bring it into the home. Three kinds of branch circuits then carry current, much as pipes carry water: general-purpose circuits (for lights and convenience outlets), small-appliance circuits and individual circuits (range, large appliances)

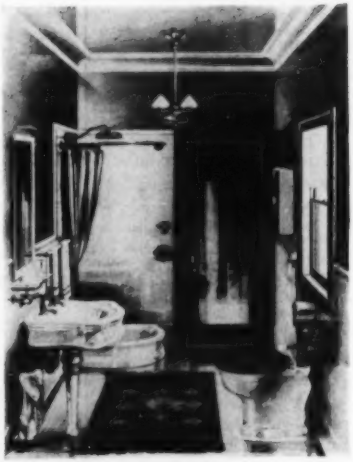
Electrical efficiency can be stepped up by specifying No. 12 wire for all the general-purpose and small-appliance circuits. When smaller wire (No. 14) is specified in general-purpose circuits, 15-ampere fuses must be used. Outlet box (right) accommodates fixed light



Convenience outlets are of several types. Most common is the standard duplex outlet (above center). At left is the triplex outlet. One major appliance for which there is a special plug-in outlet is the range (at right)

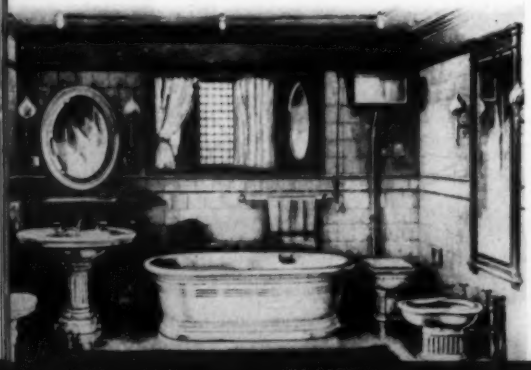
WALTER LAUF

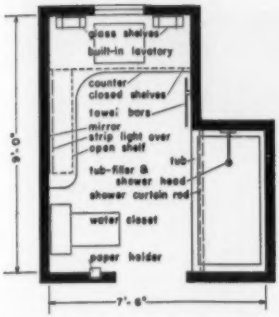
SEVEN POINTS FOR REMODELING YOUR BATHROOM



HEYMANN ARCHIVE

- Anticipate the need for ease of traffic in limited space
- Choose surfacing materials that are durable, easily maintained
- Utilize all available space
- Dual-purpose bath is practical: plan a dressing area
- Bathrooms can be decorative: use color and imagination
- Provide a maximum of open and concealed storage space
- Use lighting at strategic points



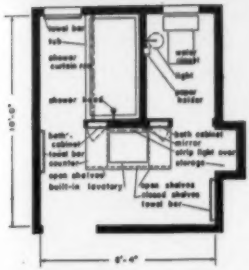


LIMITED SPACE, when it is carefully utilized, need not be a deterrent to the efficiency or ease of traffic. In this plan, both are realized in a small area

AUSTERITY HAS NO PLACE in this example of remodeling. Color is not only vivid but extremely flattering (an important point in a dressing area), and mirror, the infallible space extender, has been used lavishly on one wall to visually double the size of the room. Dressing counter and cabinets are completely surfaced in *Formica*, and walls are hung in *Varlar*, a washable wall covering. Open storage space for towels is provided by shelf under dressing counter, and closed cabinets beneath lavatory hold toilet preparations and additional linen. Thus, through thoughtful handling of space and a liberal use of color, a small bath has been made both highly functional and decoratively interesting. Although the dressing-counter unit would probably have to be professionally constructed, almost everything else in the room could be a spare-time project: laying of the floor, hanging of the wall covering, even the installation of mirror. *Amtico* rubber tile flooring, Pittsburgh Plate Glass mirror, *Adjusto* tub-filler and shower head

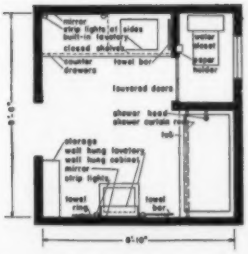
[Continued on the next page]

SCOTT MYOR



THE SYBARITIC BATH, as much admired today as it was by the Romans, can often be achieved without extravagance when labor costs are reduced by doing part of the work oneself. Wall surfacing in this room is *Marlite*, a plastic-finished wall paneling used here is a golden mahogany pattern, applied in planks with invisible clips. Fortunately for the spare-time remodeler, its application requires only a reasonable amount of carpentering skill. The same splashproof material in a marbelized pattern covers the carefully planned and situated lavatory-cabinet with its open storage for towels, concealed space for laundry. Segregated areas contribute to ease of traffic, and the combination of simulated wood and marble gives the room a quality of luxury and distinction

TWIN BATH CABINETS are hung on either side of the fluorescent lighted lavatory mirror to provide threefold reflection when their doors are open. Floor-to-ceiling linen closet (below) supplies complete storage for towels, soap and bath accessories at the spot where they are needed. Each of the seven points for remodeling has been carefully observed in this bathroom. It is handsome, it has a dressing area, there is not an inch of waste space, it eliminates any chance for traffic to bottleneck, its surfacing materials are attractive, durable, and easily kept, it has an abundance of storage space, open and concealed, and it is lighted with precision and without glare. Armstrong rubber tile flooring, *Miami-Carey* cabinets



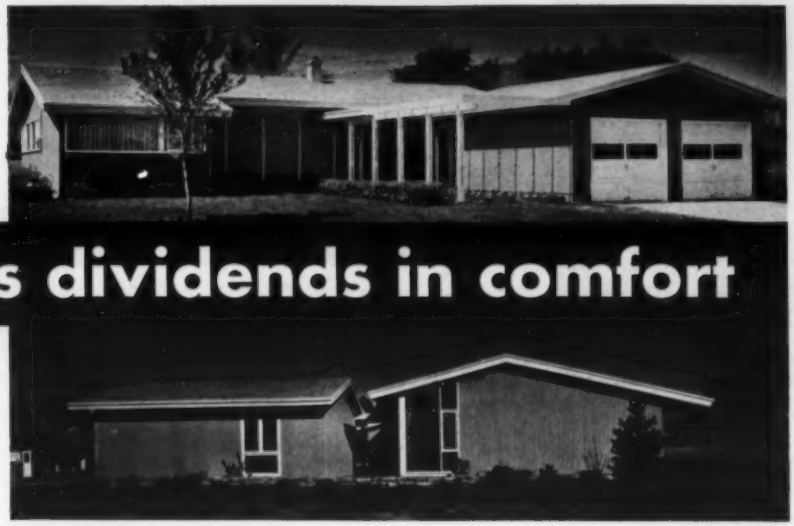
AQUATIC RETREATS that they are, bathrooms last longer with surfacing materials comparable to decorative armor. Those selected for this bath are interesting in pattern and color, and maintainable with a minimum of effort. Wall surfacing is *Formica* in a marbelized pattern, and the same material in a solid color tops dressing counter and lines shower recess. The problem of simultaneous use of the room by two people—the old bugaboo of the house with only one bath—has been solved by not only segregating the units but by introducing two lavatories: one set into the dressing-table counter, the other, for the man of the house, hung higher than usual on the opposite wall and equipped with its own fluorescent fixtures and bath cabinet. The result eliminates the exasperating routine of "waiting one's turn." *Flor-Ever* vinyl flooring, towel bars and ring by General Chrome, fixtures throughout by Universal-Rundle

See *Your Guide to This Issue* for further information

THIS IS A

LIVING - CONDITIONED HOME

Good plannin yi



yields dividends in comfort

ERNEST SILVA

Here is a check list of features to consider when buying or building

- **Sound conditioning—"mechanical heart" of house is in a centralized, sound-deadened block**
- **Light conditioning—special lighting in kitchen and baths affords diffused, shadow-free illumination**
- **Climate conditioning—heating system convertible for full year-round air conditioning**
- **Space conditioning—1,025 cubic feet of storage space**
- **Safety conditioning—well-placed illumination, fire-retardant materials boost home's security factor**

Exterior color, when carefully schemed, can lend individuality and a sense of greater size to a house. In this case, parallel-grooved plywood, the principal surfacing material, was stained a neutral tone which blends with home's surroundings. White trim and series of bright-colored hardboard panels along main entrance wall afford dramatic relief. Trellis over flagstone path is an inexpensive way of providing decorative interest—in its own design as well as in the shadow pattern it casts. At right, young architect E. S. Ellswood reviews plans with a young couple in Kansas City, Kansas, where the house was built

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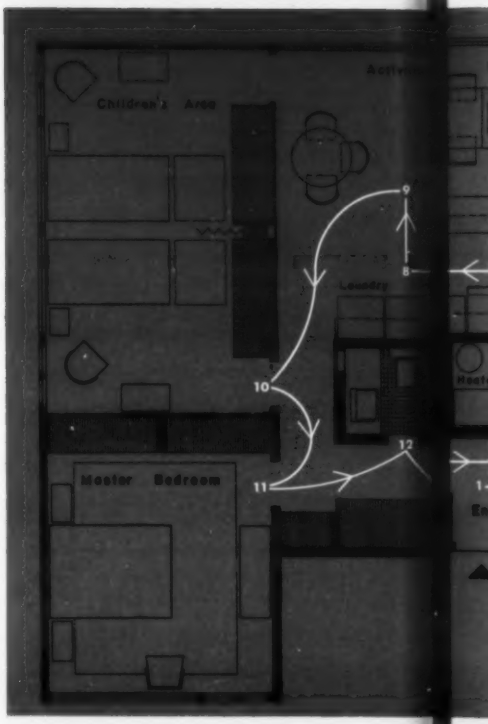

A guided tour shows living-conditioned philosophy at work

In a nutshell, living conditioning entails the organization of everything that goes into a home—engineering and design skill, building materials, construction techniques—for the specific purpose of providing the most comfort for the money. Phenomena which induce a sense of physical well-being—controlled natural and artificial light, year-round indoor climate conditioning, adequate space for family living—are carefully planned. Also taken into account are intangibles making for a healthy mental and emotional climate—the yearnings for safety, quiet and privacy, which are instinctive in every human being. Negating the idea that a high degree of comfort necessarily means high price, the living-conditioned philosophy can be applied with effect to even the most modest home. This house was built by the Nichols Company in Kansas City, Kansas, at $12 a square foot for the basic structure. A replica, the modular panels of which are shop-fabricated and subassembled by the Wadsworth Company, is being constructed and will be on view in other parts of the country.

See page 93 for building data

14

12, 13

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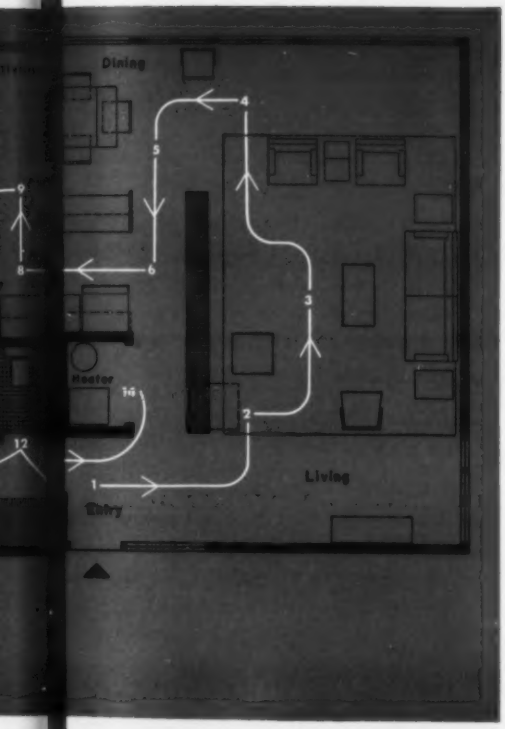


1. Entrance hall is hub of the house. From it, open living area, bedroom corridor and passage to the kitchen through pair of louvered swinging doors.

2. Study area of living room is located on one side of room divider, an element in home's space conditioning.

3. & 4. Living room, 13'6" x 28', extends the full width of the house. House was oriented so that window wall facing terrace has a southern exposure.

5. Dining area is served by a pass-through from kitchen. Overhead lighting fixture can be raised to allow alternate furniture arrangements.

6. Storage space is provided for kitchen and dining area in closets built into kitchen side of room divider.

7. Corridor kitchen boasts well-lighted work areas, appliances specifically arranged for efficient production.

8. Laundry section of kitchen has washer and dryer units placed convenient to soiled clothes hamper opening onto corridor from bath on other side.

9. Activity area off kitchen has space for dining. Large storage closet near door to yard handles children's gear.

10. Master bedroom, 13' square, has table lamps of proper height with shades of proper width to cast wide beams of light over bed. Light is, however, properly shielded from the eye.

11. Children's quarters were space-conditioned to form one large area or two separate rooms when needed.

12. & 13. Interior baths are given open feeling by general lighting diffused from luminous ceilings.

14. Heater room is in mechanical block of the house, surrounded by a double-studded insulated wall to reduce noise.

7

8

10

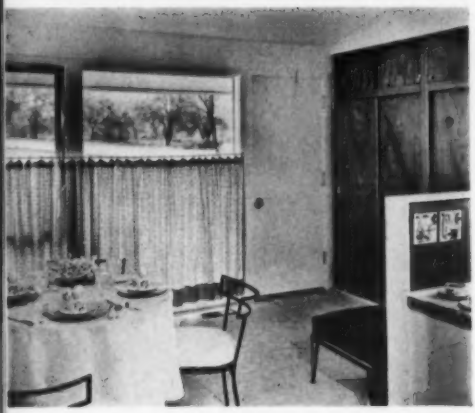
9

Space divider, 7' high, defines a
culation path from the front do
kitchen, also partitions living
kitchen areas. Half the divider (
is a bookcase-desk used from the
ing-room side. **Light conditioning**
ture is a fluorescent strip conce
below the lowest shelf of desk. L
north window floods entrance hall
entire area with daylight. Ceiling
which lights entry at night is a
precaution. Ducts of forced warm
perimeter heating system, pa
home's **climate conditioning,** lo
grilles located below large expan
glass, the points of maximum
loss. Importance of **easy mainten**
has been underscored by choice
flooring in living area—prefin
hardwood blocks installed over

DECORATION THROUGHOUT BY ROBERT KEITH, INC., KANSAS CITY, MISSOURI

Portable lamps have indirect components which illuminate the ceiling and, in so doing, provide general light for the living room. In addition, they give specific, focal diffused light for reading, sewing, or centering interest in a conversation group. **Daylight control** has been effected in two ways: by the depth of the exterior overhang (2') and inside by draperies of translucent casement cloth (Waverly fabrics throughout) which diffuse natural light, providing a soft, warm glow in whole living-dining area

Use of light in decoration is illustrated dramatically in a living room whose walls offer an interesting shadow pattern, changed according to the direction of shutters' movable louvers. In themselves highly effective lighting fixtures, shutters (De'cor) grant a wide measure of daylight control. After initial decoration, it was found that an additional bank of louvered shutters was needed to control the glare admitted by the remaining patch of open window. These would operate independently from the existing lower bank. **Climate conditioning** is also affected by shutter arrangement: prevailing breezes from this direction (the west) can be controlled by louvers. **Color planning** was an important factor in home's interior decoration: an over-all feeling of spaciousness was gained by the use of light colors on interior surfaces, also by adhering to same accent colors throughout the house



Open planning of kitchen and activity area makes possible a bright, airy space which can be enjoyed by the entire family. Children play under supervision of mother at work in the kitchen, while door to back yard allows them to move back and forth with freedom. **Easily cleaned surfaces** were taken into account in the play area: vinyl floor, walls finished in semigloss paint, prefinished mahogany sliding closet doors

Light trough above kitchen's main work area is a lightweight wood frame wh holds plastic diffusing panels backed by fluorescent tubes. It gives shadow-f illumination for the work counters, where it is most needed. **Corridor arrangem** of appliances puts all units within a few steps of one another and in sens relationship to the storage cabinets which serve them. As a safety measure, s cabinets were hung low enough to be within reach without a ladder. Lami topped desk is housewife's office; it is also used as an additional work cou

Flexible children's quarters are result of space conditioning. Two separate rooms, each 10′ square, can be formed by closing an accordion-fold door, or they can be thrown together to create one large space. Decorated alike, rooms seem to mirror each other. **Color planning** capitalized on bright hues which children prefer: outside walls of each room and storage walls (directly opposite, unseen) are a strong yellow, other two walls, pumpkin. Bed coverlets are yellow, curtains, dust ruffles are yellow and white striped cotton. **Need for privacy** on part of both parents and children was anticipated by arranging access to their respective quarters so that paths don't cross. Children can go from their rooms to activity area and outdoors without crossing entrance hall or living room

Sound conditioning should and does receive a major share of attention in home's sleeping section. Rooms are separated by clothes closets, an effective sound barrier; rugs and curtains also absorb considerable noise. **Treatment of window wall** in master bedroom (opposite) answers a frequently posed and always difficult decoration problem: how to blend strip windows with adjacent wall area. An attractive solution was found in use of wallpaper and curtain fabric of the same design. The pink and aqua print is repeated in the dust ruffle, the pattern reflecting suitably the provincially inspired lines of the furniture. Bed topper and rug are olive-green; three painted walls are aqua. **Furniture arrangement** was provided for in the initial planning of all the rooms in the house

Luminous ceilings in both baths diffuse a soft, shadowless light which makes people look and feel better. Light wood frames hung from the ceiling hold plastic panels behind which are fluorescent tubes. Valance lighting provides specific illumination over the mirror, shielding light from view except when it is needed for shaving, make-up, or general appraisal. At that time it is out of the line of vision for a person standing close to mirror. **Safety conditioning** is a by-product of good lighting: being continuous, valance gives shadowless illumination to both sides of the face, reduces shaving cuts

ERNEST SILVA

See *Your Guide to This Issue* for further information

fari leader and connoisseur of fish worms, ster leads the exploring party (with some ght assistance from Mother) as Christopher d Father bring up the rear of the outing

The compleat angler, Christopher scorns a fishing pole and tries to lure his trout with a homemade hook, a line, and one of Sister's prize specimens of bait. The trout were not amused

Water bugs are not quite so wary as fish and much more sporting: they allow themselves to be caught. When this pastime palls, there is always the excitement of underwater investigation

A small boy's new world

Eagle-eyed and quick on the draw, Sister's happy hunting ground is a sandy nook with a pebbly pool that, with proper research, will yield something nice by way of flora or fauna

Although *Tom the Water Baby* was a lucky boy, what with the seven seas to swim in, he probably never knew the joys of a millstream like Christopher's. Water has always fascinated children, perhaps because it appeals to their sense of adventure, and to Chris and his sister (fortunate enough to live in a rural district), their stream and its environs represent mystery and the thrill of discovery. A child's paradise, it is a swimming hole to suit the most particular tadpole, human or amphibian. Replete with tiny waterfalls and quiet pools that house an occasional, aged trout, it blandishes boulders big as houses, pebbles streaked with mica, driftwood for sailboats, and some fascinating snails and worms. Splashing without fear in its cascades, Chris unknowingly is developing his sense of self-reliance, and to Sister, each new discovery, be it snail or shining pebble, strengthens her knowledge of a brave, new world. Swimming, fishing, paddling, constantly exploring the secrets of their kingdom, Chris and Sister allow (as who would not?) that the adventurous life is the life for them.

JOHN GRUTE

Brother and Sister count the spoils of the day: some glittering pebbles that are very likely quite valuable, a water bug that wasn't quick enough on the getaway, and a fine collection of bait. No trout, but no matter. It was still a lovely day down by Christopher's millstream

Impression of space which characterizes the Emmons' home is created in part by the two-story living area, seen opposite in night view from terrace. Bedroom balcony is reached by a ship's ladder. Building cost for 1,250 square feet on two levels was about $10 a square foot. Among structural economies were use of stock lumber for frames of big, one-quarter-inch plate glass windows. Architect-owner Donn Emmons says plate glass cost no more than home's more conventional rear wall which has five windows and a door

An architect applies his philosophy of living to his own home

When it comes to a home of his own, an architect daydreams just like the rest of us. The only difference is that he has the training and technical skill to translate these dreams into reality. Donn Emmons, A.I.A., of Mill Valley, California, who spends his working hours solving the living problems of other people, passed many an hour of spare time at the drawing board, designing a home for his own family. The Emmons had the same difficult budget problem, the same needs as other young families.

They wanted a minimum of nonessential space. They needed a house just large enough to provide separate rooms for their two young daughters (after the house was built a son arrived), a room for themselves, a guest room, a large living-dining area, and a small kitchen. Donn Emmons designed a rectangle 24′ x 32′, with two levels of sleeping quarters, one on a mezzanine reached by a ship's ladder. The ladder obviated the need for a stair hall and, the Emmons stoutly affirm, requires less energy to navigate than a conventional staircase. No space was allotted for an entrance hall; instead, a door in the redwood fence along the street establishes the point of entry. For 1,250 square feet of indoor living space, the cost was less than $13,000, Donn Emmons doing some of the finishing himself. He is convinced that the house can be reproduced anywhere in the country on a contract basis for about $14,000.

They wanted a maximum of interfamily privacy. Parents and children not only have their own individual rooms, but also their own outdoor quarters, the landscape plan providing distinct separation of the two areas, equally large and accessible.

They wanted easy and economical maintenance. Nancy Emmons frankly admits that she dislikes housework and insisted that walls, floors, and other surfaces require as little attention as possible. A concrete slab, finished with troweled-in color, forms the floor of the lower level. Waxed and polished, it requires little care to keep neat. The interior wall surfaces, all unfinished incense cedar, are merely washed clean.

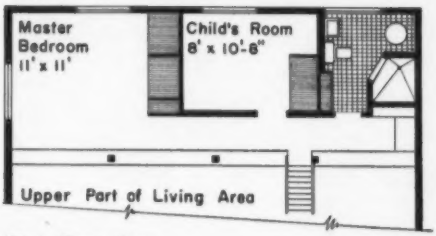
They wanted a house of "generous character." The house proper and the grounds were planned as one to give an all-encompassing feeling of openness. There is an entire east wall of glass, 32 feet long and 16 feet high, which overlooks the gardens and the bay beyond. Since there are no halls, every room except the baths, has a wide, sweeping view of the countryside. One third, or about 430 square feet, of total floor space is living area, extended by a landscaping plan which efficiently utilizes almost the entire three-quarter-acre plot as outdoor living, dining, and play space.

PHOTO: VAC MEHR

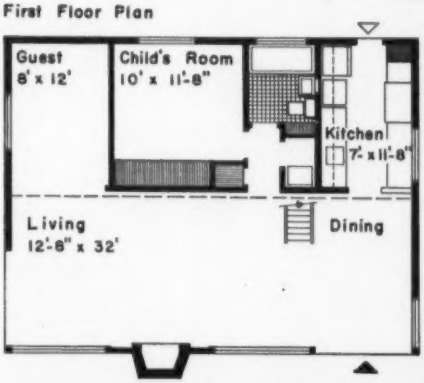
[Continued on the next page]

Big, swinging glass doors form main entry to indoor living area. They provide only ventilation for the glass side of the house, eliminating need for movable sash. The wide seven-foot opening offers an attractive immediacy to the outdoor recreation area

Balcony Plan



First Floor Plan



Two-level design with mezzanine and open ladder avoids boxed-in room quality of many two-story homes. Basic rectangle, 24' x 32', encloses four bedrooms, two baths, kitchen, and 437-square-foot living-dining area. Balcony (top) has rail low enough (20 inches) so that view can be enjoyed from master bedroom (top, opposite). For safety, rail was made 18 inches wide, is used as a mezzanine storage cabinet

Businesslike approach to housework dictated Nancy Emmons' simple, efficient kitchen-laundry. A corridor arrangement of appliances, the room takes the minimum of space consistent with workability. The direct opening to indoor and outdoor dining areas facilitates meal service. Door at opposite end leads to a small back service court and to the rear vegetable garden

ERIC TALMER

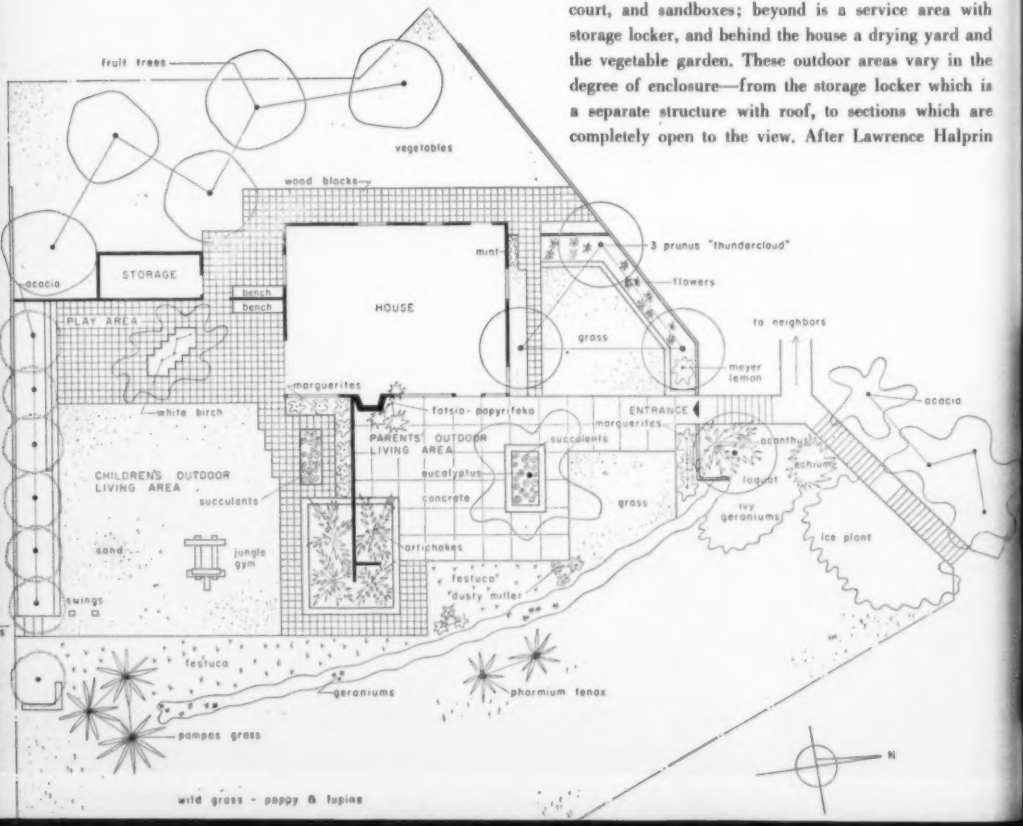
Scale of living area has magnificence without dwarfing the individual. Scene (below) from the mezzanine shows the full sweep of the breathtaking view of Richardson Bay. To give a sense of enclosure, the fireplace panel was located in the center of the wide glass area. Glass wall admits enough solar heat to warm the whole house on all sunny days in winter. Radiant heating is provided by hot water pipe in concrete slab; there is sufficient convection to keep both floors at an even temperature

[Continued on the next page]

A

House and plot developed together extend and enliven

family activities—that's the theory of landscape architect Lawrence Halprin who planned the grounds of the Emmons' home. The house, though an excellent one, did not alone solve all the problems that faced this growing family. For example, bulk storage space was severely limited (there is no basement or attic); play space for the children needed amplifying; and the general living area for the whole family needed to be expanded. The garden compartments itself, like a series of outdoor rooms, into the equivalent of an entrance hall leading from the front gate (**B-C**) to the main living and dining terrace (**D-E**), screened from the wind. On opposite side of windbreak (**A**) is the children's playground with jungle gym, swings, tricycle court, and sandboxes; beyond is a service area with storage locker, and behind the house a drying yard and the vegetable garden. These outdoor areas vary in the degree of enclosure—from the storage locker which is a separate structure with roof, to sections which are completely open to the view. After Lawrence Halprin



had studied the requirements of the Emmons family and made the basic landscape plan, they went ahead with the work. With the help of men from his office, Donn Emmons built the cedar fences which define the property's north and south boundaries. The entrance walk and outdoor living-dining area of poured concrete —given a geometric pattern by redwood grids—are in effect a continuation of indoor living-dining quarters, separated by the large, glass east wall. Outdoor living area is protected against the prevailing winds by an eight-foot cedar board windbreak, topped by glass panels running the length of the structure to avoid a sense of complete enclosure. It was built after a year's observation of prevailing winds. The borders of plants on either side of the windbreak offer a variety of bold and differing textures, colors, and branch patterns. Since the Emmons are week-end gardeners, easy-to-tend plantings were used wherever possible. For easy maintenance, privacy fences were employed to separate areas rather than hedges; in traffic areas, concrete replaced grass.

B

C

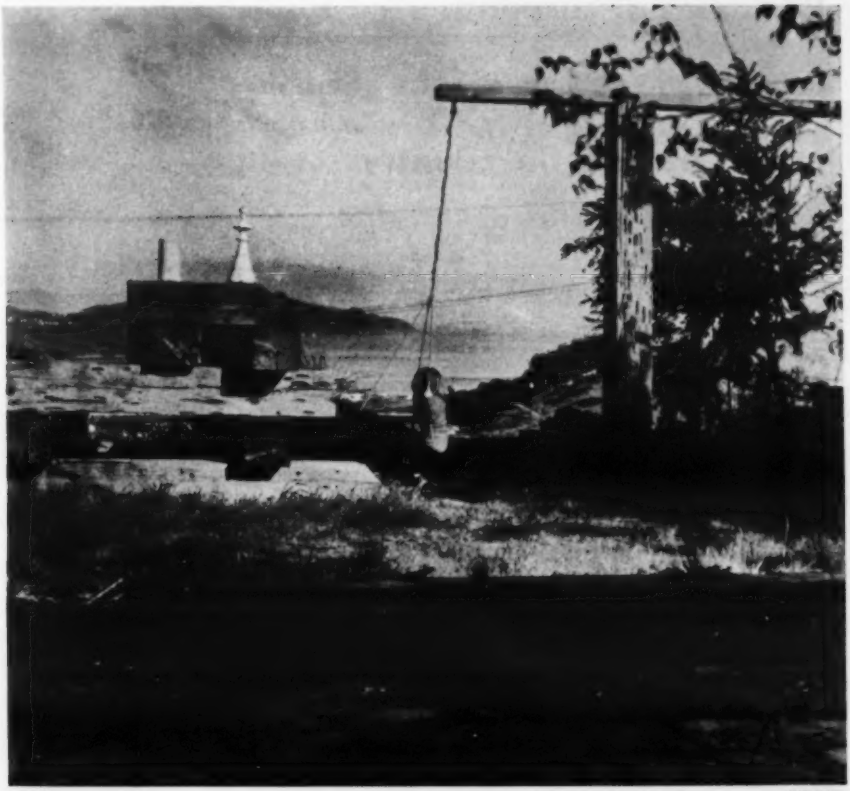
PHIL PALMER

E

D

[Continued on the next page]

Children's outdoor living quarters center about the jungle gym and swing made simply of incense cedar timbers. Timbers were also used for plant bed containers, to define portions of the garden and grounds, and for the play area. For the gym, timbers were piled up or thrust into the ground, their weight holding them firm and safe. Zette and Lili Emmons, as well as the neighbors' children, pretend the structure is a ship, a fort, or whatever strikes their fancy. For the swing, a sturdy top log was added to support the ropes. Tricycle court was paved in cedar blocks

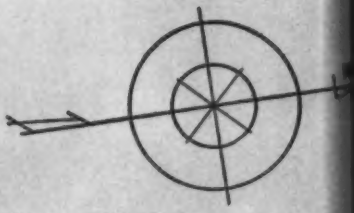


PHIL PALMER

Outdoor areas were arranged carefully to give the effect of informality. Central plant box (opposite, top) contains a variety of succulents chosen for contrasts in color and shape; tree is a hawthorn. Plan takes full advantage of the effects which can be created by texture: opposite, far left, is property's outermost eastern boundary, a blending of dusty miller in the foreground, festuca or ornamental grass, more dusty miller, and finally a clump of marguerite—all in harmony with the scheme of the entire grounds. Marguerite is used as an accent in the corner formed by the windbreak and house structure (opposite). Algerian ivy which grows profusely over the high cedar screen makes a lacy pattern around all the panels of glass

[Continued on the next page]

Principles of a sound landscaping plan are applicable in any part of the country

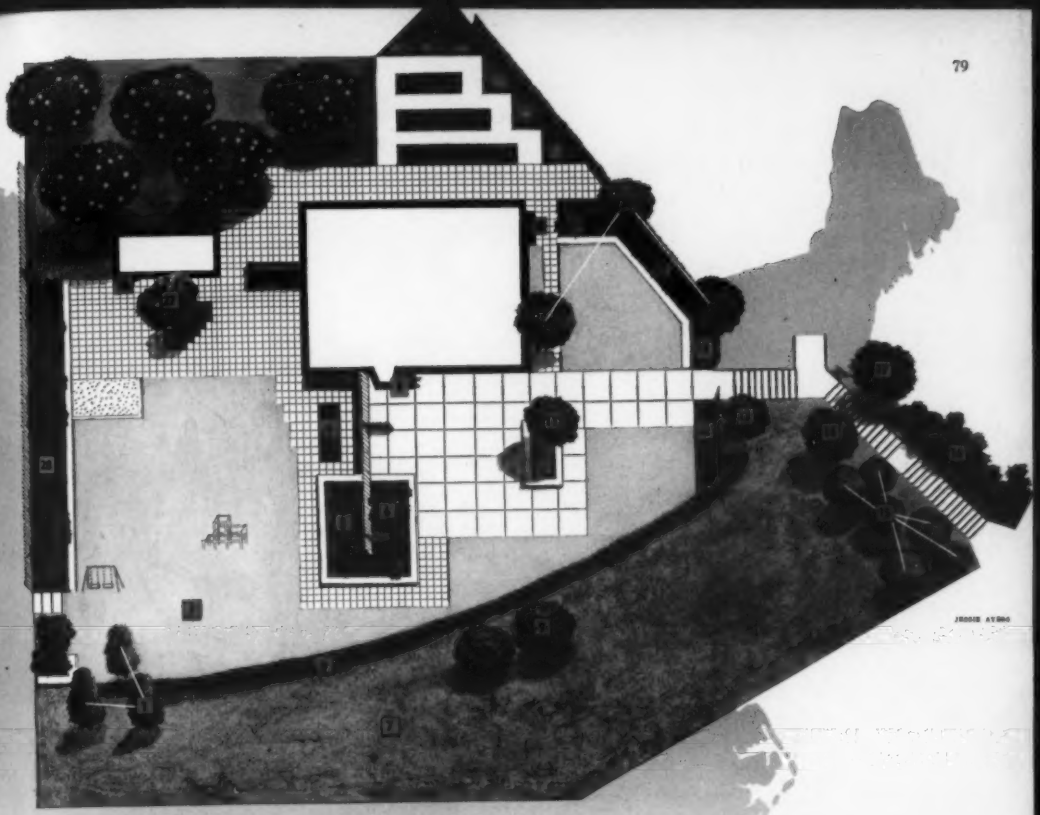


Gardens should be a constant source of enjoyment, a real and lasting envelope of beauty and comfort within which people move and live. Wherever they are—in Seattle or Fort Lauderdale—homemakers should take every advantage of the outdoors to solve living problems, particularly where plots and houses are small. The Emmons' garden in Mill Valley, a suburb of San Francisco, California, was developed for its particular plot, house, and family. However, the sizes of plot (three-quarter acre), family (three children), and house (1,250 square feet) are typical enough to contribute ideas to the outdoor living pattern of any young family. The problems which need to be solved vary, of course. In this garden a high windscreen was needed to protect the outdoor living and dining areas from prevailing winds, and yet insects were no problem. In parts of New Jersey or Louisiana, on the contrary, winds might not need be considered, but a screened area would be a necessity for protection against mosquitoes when sitting outdoors. Plantings, too, would vary while still following the general principles of the landscape plan. For example, in arid sections of the country where water is at a premium, hardy ground covers are suggested. In the Northeast, more grass can be used. The important point is that plantings supplement the basic design of the individual landscape plan, offering shade from trees, coolness from ground covers, and decorative effects against the planes of the house and pavement. An effective landscape plan allows structural materials to solve obviously structural garden problems—privacy, seating, pavement, and plant bed boundaries. Conversely, where a solution is called for in horticultural terms, planting is used. It would take a long time to grow a hedge thick and high enough to form a strong screen to shield the terrace effectively from winds; obvious solution was a frame and glass barrier.

Landscape architect Lawrence Halprin has interpreted the Emmons' garden in terms of the local plant materials available to various geographical areas

Southwest

1. Pampas grass
2. Grass
3. Geraniums
4. Children's garden
5. Natal plum
6. Crape myrtle, ivy, geranium
7. Algerian ivy on bank
8. Rice pepper plant
9. Yucca
10. Strawberry ground cover
11. Brazilian pepper
12. Hibiscus
13. Carob (acanthus on ground)
14. Carob
15. Geranium, ivy
16. Ivy, geranium
17. Carob
18. Gardenia
19. Flowers
20. Prunus blireana (climbing rose on fence)
21. Camellia
22. Herbs
23. Berry bushes
24. Vegetables
25. Orchard
26. Bougainvillea
27. Chinese elm
28. Acacia



Southeast

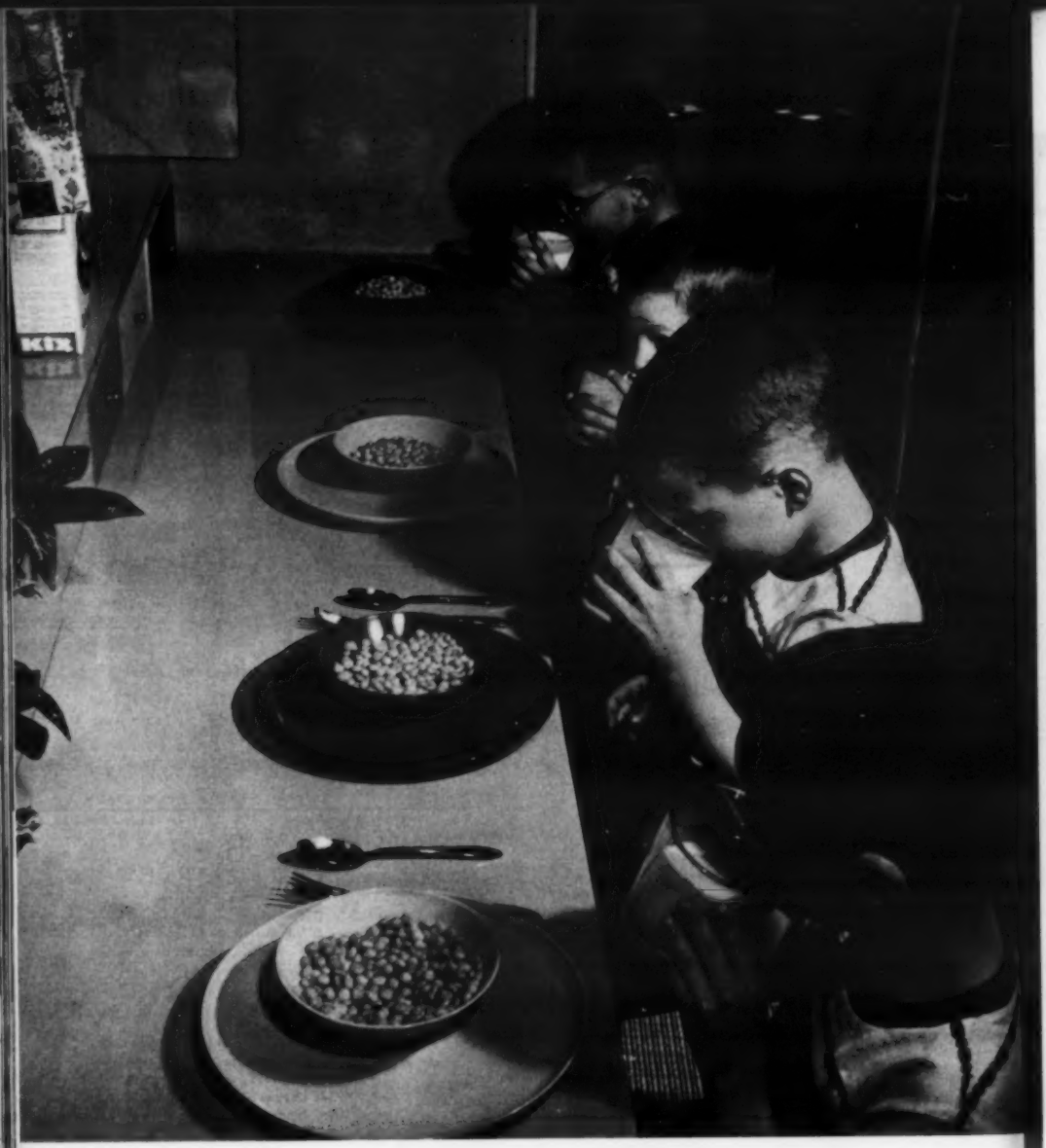
1. Pampas grass
2. Grass
3. Clipped boxwood
4. Cyperus alt., liriope
5. Dusty miller, iris, juniper
6. Juniper, crape myrtle, wisteria
7. Honeysuckle on bank
8. Bamboo
9. Yucca
10. Liriope
11. Albizzia julibrissin
12. Gardenia
13. Magnolia
14. Pines
15. Pines
16. Pines (periwinkle on ground)
17. Pines
18. Camellia
19. Flowers
20. Flowering trees (climbing rose on fence)
21. Camellia
22. Caladium
23. Berry bushes
24. Vegetables or roses
25. Orchard
26. Gelsemium semp.
27. Pecan
28. Tallow trees

Midwest or Northeast

1. Birch
2. Grass
3. Clipped boxwood
4. Children's garden
5. Juniper
6. Wisteria, day lilies
7. Periwinkle on bank
8. Forsythia
9. Philadelphus
10. Pachysandra
11. Hawthorn
12. Daphne
13. Dogwood (ferns on ground)
14. Witch hazel
15. Flowering quince
16. Juniper
17. Dogwood
18. Agapanthus
19. Flowers
20. Prunus pissardi rosea
21. Philadelphus
22. Herbs
23. Berry bushes
24. Vegetables
25. Orchard
26. Honeysuckle
27. Birch
28. Trimmed hemlock hedge

Northwest

1. Ilex
2. Grass
3. Erica carnea
4. Flowers
5. Viburnum davidii
6. Vine maple, azaleas, ferns, bulbs
7. Ivy on bank
8. Azara
9. Snowball
10. Ajuga
11. Flowering cherry
12. Oregon grape
13. Dogwood (azalea on ground)
14. Dogwood
15. Rhododendron, maple (ferns on ground)
16. Pines
17. Dogwood
18. Daphne
19. Flowers
20. Prunus vesuvius (honeysuckle on fence)
21. Camellia
22. Herbs
23. Berry bushes
24. Vegetables
25. Orchard
26. Actinidia chinensis
27. Birch clump
28. English laurel



4 REASONS FOR SPARE-TI

RE-TIME REMODELING

It is curious how people will endure inconvenience, drabness, and a state of confusion in their homes until a change of routine in their lives brings them to their senses (and their feet) and makes them realize that the time has come to bring order out of chaos. This is what happened to John and Dorothy Drish, of Evanston, Illinois, who, with their two young sons, Johnny and Jimmy, had recently moved into a big, old house that made up in space what it lacked in style. Well aware that they had their work cut out for them, they settled down amid the general disorder, not quite certain as to where to begin. The kitchen was the real villain of the piece. A maddeningly unfunctional room, it had absolutely no storage space, an archaic sink, an inaccessible dining area, and a wheezing refrigerator drawing its last breath in a dark pantry. Although John and Dorothy bought new appliances and installed them as logically as they could, the confusion still prevailed. Ironically, it was at this point that the Drishes (who believe in the more children, the merrier) decided that the boys needed a brace of playmates of their own age (seven), and brought two foster children, Bobby and Skipper, home to stay. Four small boys in a nonfunctioning house do not contribute to parental serenity, and the need for remodeling was not only apparent, it was vital. The kitchen was the obvious starting point, and although it presented the kind of challenge to make the most intrepid remodeler hesitate, the Drishes knew that they must take the bull by the horns and completely redesign the basic structure of the room. Since children gravitate naturally to the kitchen, it had to be made commodious enough to harbor their constant traffic and, since growing boys spend an inordinate amount of time in eating, to provide them with a dining space of their own. John began by stripping the entire room of its old superstructure, cabinets, doors, and trim. The sink position was planned to make sense; new ceiling, cabinets and cupboards were installed, and the old pantry, with the addition of a long dining counter, became the boys' own sanctum for eating, study, and games. With the exception of plumbing for the new sink, John did all the work himself; carpentry, painting, and the laying of the asphalt tile floor: another example of spare time being put to productive use. The result is a handsome kitchen that not only *works*, but has a definitely sociological influence on the compatibility and general welfare of the two little Drishes and their foster brothers.

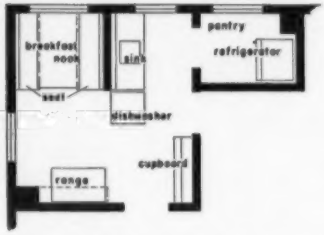
BREAKFAST IS SERVED for the Drish small fry, and the old pantry gleams like a new penny in its scheme of beige, black, and orange. Louvered doors replace originals, and a planting box flourishes under the window. Drawers above counter (each a different color and one for each boy) hold such juvenile paraphernalia as scissors, crayons, paste pots

NOWELL WARD

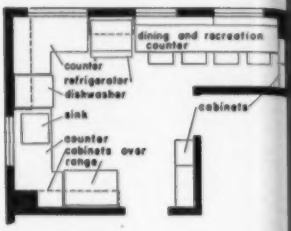
TOYS, running the gamut from a wooden train that can be disassembled to a steamboat that chugs, are stored in cabinets at end of alcove, handy to the Drish playing field. Boys are very fond of animal cutouts and are fast accumulating a *Noah's Ark* with two of everything. Father occasionally takes a hand with the menagerie, making sure that the giraffes aren't teamed with the saber-toothed tigers

[Continued on the next page]

OLD KITCHEN'S flotsam and jetsam are stored in basement, where the boys repair on rainy days to hammer madly on a project known only to themselves



ORIGINAL PLAN (if it can be called that) was a collection of haphazardly arranged cubbyholes: one for breakfast nook, another for sink, and a third to keep refrigerator inaccessible



NEW PLAN has appliances arranged area three walls, with sink and dishwasher placed under window. Dining area extends is recessed enough to keep boys from und

- Wood cabinets.....BRAMMER
- Stacking stools.....SCOPE

OLD PARTITION (below) was removed and new pipes installed so that sink and dishwasher could be moved against wall. Dorothy now has room to cook comfortably and without the feeling of working in a labyrinth. Original lighting, a random arrangement of dangling cords with naked bulbs at eye level, was replaced with a recessed ceiling fixture and fluorescent strips installed behind cornices over windows. Storage space, once at a premium, is now more than ample for the needs of a family of six, with cabinets and closets installed on all available wall space. Three walls are pale beige, one is a bright orange; checkerboard floor repeats on a larger scale the crazy-quilt pattern of drapery

BEFORE AND AFTER: old door leading to dining room was replaced with two folding, louvered panels, and the antiquated china cupboard gave way to a section of cabinets containing broom and cleaning closet, storage for staples

- *Hako* asphalt floor tile..... HACHMEISTER
- Louver doors.....KILPATRICK

SMALL APPLIANCES are all kept in a rotating cabinet unit that whirls like a merry-go-round, doors and all. By necessity, the refrigerator is generously proportioned and will hold two gallons of milk and a gallon of ice cream. (Boys consume seven dozen eggs a week, a gallon of milk a day, and as much ice cream as the household law allows.) After meals, the boys clear the table and bring glasses, dishes, and silver to the sink: this is an established routine that they seem to enjoy. On Sundays the entire family eats in state in the dining room (with particular attention paid to the punctilio of table manners), but all other meals are taken with zest in the transformed kitchen

Make time for year-round ou

outdoor cooking

No longer restricted to summer months, the barbecue can span the seasons and still entice

Since it is really a primitive custom in modern dress, the art of cooking in the open air is a paradoxical facet of civilized cuisine. It is only an art, however, when it transcends the all too-familiar limitations of those hardy, American perennials, the hot dog and the hamburger. Slowly, we are learning that the possibilities of outdoor cooking are not only legion, but that they need recognize no season. Steaks will sizzle as delectably on a brisk October day as they do on the Fourth of July, and to the truly adventurous, there is nothing so sportive as cooking outdoors with snow on the ground. It is a broader conception of outdoor dining and entertaining, and it is worthy of all the spare time we wish to give it. It also adds an all-embracing word to our cooking vocabulary: barbecue, a term that automatically conjures up a host of savory flavors—and a host of pitfalls. There is a naive idea that outdoor cooking is purely a lark—a kind of hobbledehoy frolicking around a campfire. This is true in the sense that cooking and eating out of doors are fun, but (if it is to bolster your reputation as a cook) the barbecue requires skill, knowledge and careful preparation. If you enjoy creative cooking, and can *relax* while you cook, there are few spare-time activities so satisfying, particularly to the male cook: even he who ordinarily scorns the kitchen. He may expect everything to be ready for his superior touch, but once it is, he can display a skill hitherto carefully concealed under a very masculine bushel. To the guest, the barbecue offers conviviality, a [Continued on the next page]

LUIS LEWIS

opposite

Sunday brunch

IN THE SPRING, A YOUNG MAN'S FANCY CAN TURN TO A GREAT MANY THINGS, AND BREAKFAST IN THE GARDEN IS NOT THE LEAST OF THEM. WHATEVER THE MENU, IT CAN BE DONE TO A TURN ON A *hibachi*, A SIMPLE BUT EFFECTIVE IRON BRAZIER THAT HAS BEEN USED FOR CENTURIES IN THE FAR EAST. SMALL ENOUGH TO BE PORTABLE, IT REQUIRES A MINIMUM OF CHARCOAL, HAS EXCELLENT DRAFT CONTROL, SERVES WELL FOR BROILING OR KETTLE COOKING. INTERNATIONAL MOLDED PLASTICS DINNERWARE. *Hibachi* AT HAMMACHER SCHLEMMER

Supper party

CANDLES, WINE, AND FINE LINEN CAN BE TRANSPORTED OUT OF DOORS WITH CONSIDERABLE GRACE TO LEND AN AIR TO AN EVENING PARTY. THIS BARBECUE (MOUNTED ON WHEELS) HAS AN UNUSUALLY LARGE GRILLING SURFACE, GOOD COUNTER SPACE, AND AN ADJUSTABLE FIREBOX. (WHETHER YOU ASSEMBLE YOUR OWN BARBECUE OR PURCHASE ONE, DEVISE OR DEMAND PROVISION FOR DRAFT CONTROL. IT IS VERY IMPORTANT TO SUCCESSFUL BARBECUING.) WATERTOWN PLASTIC DINNERWARE, HULL *American Modern* STAINLESS BY RUSSEL WRIGHT, LOWRY *Broil-O-Kart* AT ABERCROMBIE AND FITCH

See *Your Guide to This Issue* for further information

stimulated appetite, and the enticing ritual of eating luscious food in the open air. Menus can have all the variety the gourmet can devise: as simple as baked potatoes, as elaborate as roast suckling pig. Equipment is up to you. It can be assembled for practically nothing, or—for $200—there is an apparatus that provides everything but sirloins. You must first learn the secret of charcoal cooking (until you do, you're better off in the kitchen), and never forget that it is the *coals* that do the cooking, not the flame. Your outdoor area may be a city garden or a suburban back yard. Whatever it is, it will serve the purpose as long as it is open to the sky, so plan your equipment to suit it and your needs. For your diversion, these pages are concerned with new ideas in equipment and food. They are meant to titillate and encourage, and on the day you hurry to don stocking cap and mittens to officiate at a winter barbecue, you will have become a member in good standing of an extremely well-fed fraternity.

Pointers for cooking and eating out of doors:

- **Choose grill for basic effectiveness, not its gadgets**
- **Be certain it has adjustable firebox for heat control**
- **Learn to build and maintain a proper charcoal fire**
- **Prepare everything possible in advance, and with care**
- **Don't limit your cooking to meats—include vegetables**
- **Barbecue sauces are important—make them distinctive**
- **Use basket-type holder for steaks, sausages, bacon**
- **Use only heatproof, chipproof bowls, pots and pans**
- **Be prepared with asbestos gloves, long-handled tools**

Family supper

SPURRED BY THE GROWING TREND AMONG YOUNG FAMILIES TO LIVE AND EAT OUT OF DOORS AS MUCH AS POSSIBLE, COOKING EQUIPMENT HAS BECOME MORE VERSATILE. THIS GRILL (33½ INCHES HIGH), WITH ITS DOUBLE FIREBOXES, ROASTS SPITTED CHICKENS (OR ANY MEAT) OVER ONE; BAKES FOIL-WRAPPED POTATOES (OR ANYTHING YOU CHOOSE) ON THE OTHER. FRASER'S STAINLESS STEEL FLATWARE, *Royal Chef* GRILL

Gala buffet

FOR REALLY EXPANSIVE ENTERTAINING, THE GRILL INSPIRE ON WILL DELIGHT ANY EPICURE: COWBOY OR CITY DWE TICAL BURNERS (BOTH ARE ADJUSTABLE, HEAT-WISE) PR AND THE ELECTRIC SPIT TURNS AT THE PROPER SPEED IS DE-LUXE EQUIPMENT FOR THE PERFECTIONIST. SUL

Ladies' day

WHEN "THE GIRLS" DESCEND, THEY MUST BE FED, AND THERE IS NO REASON WHY THE OLD REGIME OF THE PATTY SHELL SHOULD NOT GIVE WAY TO *shish kebab* AND ROASTED EARS OF CORN. FRESH AIR WILL SUPPLY THE NECESSARY APPETITES AND AN IRON BRAZIER-GRILL MOUNTED ON A MOBILE TRIPOD ALLOWS TABLE-HEIGHT GRILLING AND ROASTING. PATIO *Grilladier* BY BENNETT-IRELAND

ERIC LEWIS

Beer and skittles

WHEN THE GATHERING OF THE CLAN IS STRICTLY MASCULINE, CHOPS AND BEER TAKE PRIORITY. THIS BRAZIER-GRILL HAS RUBBER-TIRED WHEELS, A WINDSHIELD, AND UTILITY TRAY. A BLOWER UNIT STARTS THE HEAT QUICKLY, THEN CONTROLS IT IN SAME WAY A BLACKSMITH ADJUSTS TEMPERATURE OF HIS FORGE. *Broil-Air* BY BUFFALO FORGE, BEH REDWOOD TABLE, LIBBEY GLASSES, GENSE STAINLESS STEEL FLATWARE

E OLD WESTERN CHUCK WAG-
RIZONTAL AND VER-
THENTIC ROTISSERIE COOKING,
FECT BARBECUING. THIS
UCK WAGON AT LEWIS AND CONGER

The not so melancholy days

AUTUMN, THE MOST COLORFUL SEASON OF THE YEAR, PROVIDES A SUPERB BACKGROUND FOR OUTDOOR DINING AND ENOUGH NIP IN THE AIR TO INSPIRE A RAGOUT OF LOBSTER, LACED WITH BRANDY, AND SIMMERED GENTLY OVER A VERSATILE GRILL THAT CAN ALSO BE USED IN A FIREPLACE. *Color-Flyte* DINNERWARE BY BRANCHELL, LAUFFER *Design One* STAINLESS STEEL, CAMBRIDGE TUMBLERS, OLD HICKORY FURNITURE, *Skotch* GRILL BY HAMILTON METAL PRODUCTS

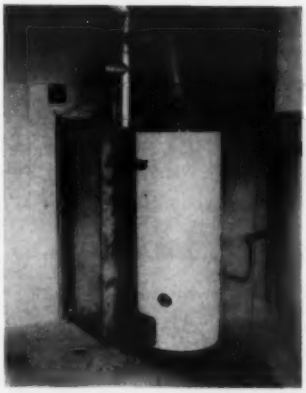
For outdoor cooking recipes, see page 94

Simple arithmetic adds up to a house

[Continued from page 49]

CHEN, 12' x 10½', is e enough to accommodate good-sized table, chairs, keeping the dining area regated from the living m. Sink and *Welbilt* range separated by a work sur- and open shelves con- ed by a draw curtain. General Electric refrig- or is conveniently placed left against living-room l, and Hoover portable her, kept out of the way he open storage area at ene right (out of pic-), is easily moved to sink laundry days. Cabinets by *Youngstown Kitchens*

THROOM, 5' x 8', utilizes -to-back plumbing with kitchen (always an eco- ical measure on the part he builder) and is spa- s enough to house its fix- s without cramping. There open linen closet in the ene right corner, and ad- nal storage cabinets d be built on the blank opposite lavatory. Walls gray, vinyl tile flooring ellow, and vividly striped ains and towels supply necessary note of color



LL HEATER and hot r heater are installed in t center of house so that (which is directed ugh a grille into living a) can circulate evenly ugh living area, bed- s, and bath. After this ograph was taken, the units were enclosed with rdboard screen in two ons, each 8 feet high, d together (as seen in photograph) so that one on can be removed when units require servicing

A family "do-it-yourself" kitchen

EXCITING NEW KITCHENS IN BRAMMER WILD GRAIN BIRCH

Just follow simple instructions and nail wall frames

All dove-tailed drawer joints slide snugly together

Then shelf supports fit right into place

So easy to assemble . . . Save as much as 40%

Here's new beauty . . . new convenience . . . for your old kitchen. And Brammer birch cabinets are so easy to put together, the whole family can join in the fun of creating a real dream kitchen. The only requirements are a hammer, screw driver and drill. Brammer kits are complete right down to the last nail.

Because Brammer is the leading producer of wood kitchens, you get an individually tailored kitchen at *production prices*. And you save up to 40% by doing it yourself.

Brammer cabinets of Wild Grain Birch — the wood with character — give you hundreds of possible arrangements and make your new kitchen as individual as your personality. Your Brammer Kitchen can GROW with your family.

Talk about convenience features! There's the Roto-Shelf . . . a functional cart and mixing center . . . as well as a peg-board sliding pan rack and numerous other wife-savers.

Yes, Brammer kitchens are also available assembled and finished.

SEND FOR YOUR NEW KITCHEN BOOK TODAY!

BRAMMER MANUFACTURING COMPANY
DEPT. LY-854, DAVENPORT, IOWA
Please send me the new colorful 16-page kitchen idea booklet. Enclosed is 25c.

NAME _____
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CITY _____ ZONE _____ COUNTY _____
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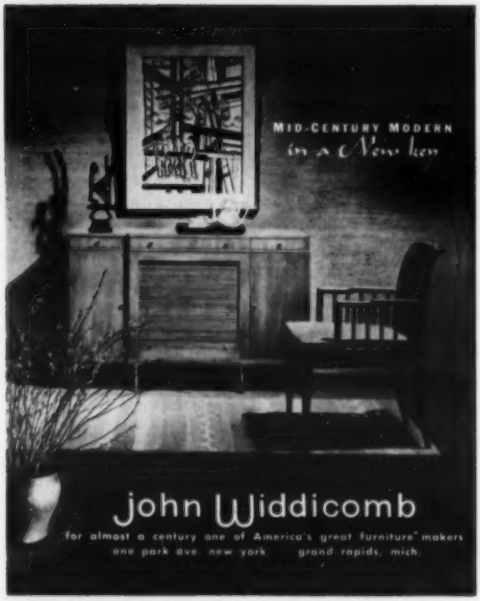
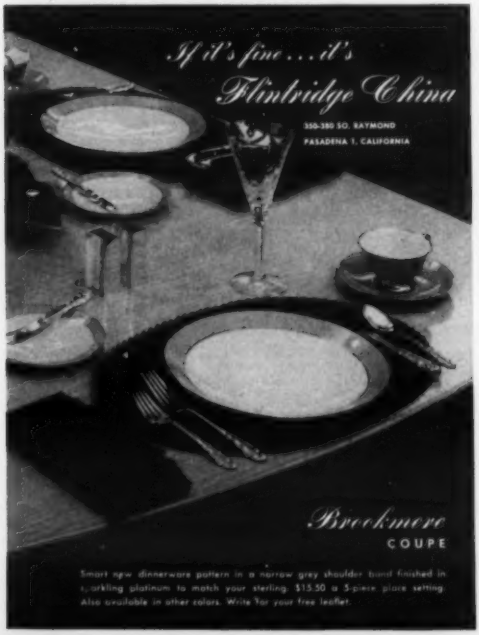


JOHN WIDDICOMB FURNITURE—AT MOST FINE STORES AND ACCREDITED DECORATORS
Send 50c (dept. L) for the book "Mid-Century Modern and Traditional Furniture in a New Key"



Simple arithmetic adds up to a house

[Continued from page 44]

BUILDING DATA

PREFABRICATOR: NATIONAL HOMES CORPORATION

BUILDER: HARTNETT HOMES

House Package: complete structure including glazed and weather-stripped doors and windows; also interior doors; interior and exterior surfacing materials, trim, insulation, and roofing. Complete plumbing (including fixtures), water heater, wall heater and chimney. Kitchen cabinets (including sink). Electric wiring with fixtures. Finish and rough hardware. National Homes

Vapor seal	*Sisalkraft* foundation size	Sisalkraft
Wood preservative	*Seal-Treat*	Chapman Chemical
Perimeter insulation	*Fiberglas*	Owens-Corning Fiberglas
Flashings	sheet metal	Rush Metal
Weather stripping	metal	Allmetal Weatherstrip
Roof	SIS roofing	Barrett
insulation	*Fiberglas*	Owens-Corning Fiberglas
Surfacing:		
exterior	exterior grade Douglas Fir plywood	Georgia Pacific Plywood Harbor Plywood
interior	*Sheetrock* gypsum wallboard	U. S. Gypsum
ceiling	interior grade Douglas Fir plywood	Georgia Pacific Plywood Harbor Plywood
Trim	millwork metal thresholds	Tyee Lumber Allmetal Weatherstrip
Insulation	rock wool *Alfol* Reflective (aluminum foil) reflective surfaced insulating *Sheetrock*	American Rock Wool Reflectal U. S. Gypsum
Doors: exterior	built-up plywood	General Plywood
interior	*Masonite Duolux* faced	National Homes
Hardware: rough	nails *Never-Stain* aluminum nails	Mid-States Steel & Wire Nichols Wire & Aluminum
finish	hinges	National Mfg.
Glue	*Lauxein* 888P casein	Plastics Division, Monsanto Chemical
Paints & stains	primer and exterior	Arco
Windows	double hung	Anderson Woodworking
Heating	*Winkler* recessed wall heater	U. S. Machine Div., Stewart-Warner
chimney	*Thulman* prefabricated	Majestic
Electrical	*Moe* lighting fixtures	Thomas Industries
Plumbing		
fixtures	bathtub lavatory and water closet	Borg-Warner Gerber Plumbing
water supply	*Bridgeport* copper and brass pipe *Bridgeport* copper water tube	Bridgeport Brass Bridgeport Brass
soil pipe		Emory Pipe & Foundry
water heater	electric	White Products
Kitchen		
cabinets and sink	*Youngstown Kitchens*	Mullins Mfg.

When you buy, build or remodel a house, be sure you know the brands of material used. They are the best protection for your total investment.

Thorough remodeling calls for sound wiring

[Continued from page 55]

entrance, you find it inadequate for your present or future needs, you should have the wires and equipment replaced. Next in your survey will be a check of the branch circuits. The number and size of these determine how efficiently you can operate your appliances and lights. Appliances are designed to perform properly when receiving specific amounts of electricity at full voltage. When the system in an old house does not contain enough branch circuits of proper-size wires to accommodate all electrical equipment and lamps, it becomes overloaded. (Most common evidence of an overloaded circuit, of course, is a blown fuse or a tripped-open circuit breaker.)

To make a survey of branch circuits, you should know how many there are, where each runs, and how much of a load each can carry safely. There are three kinds of branch circuits. General-purpose circuits serve lights all over the house and outlets everywhere (except in the kitchen, laundry, and dining area which should be served by small-appliance circuits). It is recommended that these circuits be of No. 12 wire with 20-ampere fuses, allowing a top load of 2,300 watts. Small-appliance circuits serve convenience outlets—but not lights—in the kitchen, laundry, and dining areas where portable appliances are most often used. These should be of the same capacity as general-purpose circuits. Individual circuits serve major-appliance installations such as a clothes dryer or range. There should be one circuit for each installation, of a capacity depending on the rating of appliance.

In houses less than twenty years old, you can count the number of branch circuits by counting the fuses or circuit breakers. Individual circuits which serve the electric range, water heater, and 230-volt clothes dryer will have two fuses or one double-bladed circuit breaker for each circuit. All other circuits have one fuse or one breaker each. In older houses, however, former owners may have put in oversized fuses so that you cannot be sure of the actual capacity of the branch circuits. It may even be difficult to find all of the fuses. Very old houses sometimes have two fuses per circuit, set in pairs. This type of installation indicates the wiring is very old and probably totally inadequate. "Double-fusing" also presents a potential hazard to the layman because one entire circuit may remain "alive" even though one of the fuses has blown. It would be wise, therefore, to ask your local power company to check the branch circuits and the electric service entrances at the same time.

Do-it-yourself does not apply to electricity, and rewiring an old home is definitely not for the layman. Always call in a dependable electrical contractor to do the job. However, you do have an important role to play in planning for adequate wiring. You, after all, are the best judge of what you want your wiring system to do. Only you can forecast what your electrical needs may be in the years ahead.

When revamping the wiring system in an older house, be sure to plan for several spare terminals in the branch circuit box. Then, when you add equipment later, you will have saved the expense of buying and installing additional boxes for extra circuits. The electrical industry recommends one general-purpose circuit for each 500 square feet of floor area, plus two small-appliance circuits for houses that have up to 1,500 square feet. Larger homes should have three small-appliance circuits. With two or more small-appliance circuits, each should supply some convenience outlets in kitchen, laundry, and dining areas.

It should be pointed out that general- and small-appliance circuits should be of No. 12 wire, but most old houses have the smaller No. 14 wire, a definite drawback. It is simple to over-

[Continued on page 92]

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Thorough remodeling calls for sound wiring

[Continued from page 91]

load a No. 14 wire, as simple as plugging in a hand iron and coffee maker at the same time. That would mean a 2,000-watt load, 250 watts more than a No. 14 circuit can handle. Referring to the table of wattages, you can budget use of lights and appliances so that you never connect at one time more wattage than your branch circuits can handle. You can *really* solve the problem, however, by installing more circuits for all lighting and appliance use.

Next step in a study of your home's electrical system is to look at the number and location of the switches, which control the flow of current to lights and convenience outlets, and contribute to your safety. An adequate number of switches is all-important in your remodeling plans. Careful attention to this point may save you and your family from broken bones.

Can you control the garage light from inside the house? Can you turn on lights at the head and foot of each stairway before starting down—or up? (Don't neglect the basement and attic stairs where falls are frequent.) In rooms having two or more doorways, can you turn the lights on or off from each doorway? Can you light the hall or living room as you enter the door?

Last check which you should make concerns the number and location of "outlets" in the electrical system. Any opening that gives access to electricity is an outlet, even though you may see only a lighting fixture or a piece of electrical equipment. There are three types of outlets: convenience outlets, the most common of which is the standard "duplex convenience outlet"; special-purpose outlets, which are openings through which certain major appliances are connected to individual branch circuits; and lighting outlets, the openings for fixed lights.

These are points to consider when planning locations of outlets and lights. Cords on most table and floor lamps are about six feet long. Ideal arrangement is to have duplex convenience outlets placed so that no part of any large, unbroken wall space is more than six feet from an outlet and every small usable wall

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Thorough remodeling calls for sound wiring

space which measures three feet or more contains an outlet. Whenever possible, at least one outlet should be left free for connecting the vacuum cleaner and attachments, an electric fan, or other occasionally used appliances. Rooms used for general living purposes need some source of general permanent illumination in addition to lamp light. This light can come from a central ceiling fixture, from wall brackets, from valances, or cornices. The following require special outlets: FM radio, television, electric range, dishwasher, disposer, home freezer, ventilating fan, automatic clothes washer, electric dryer, fuel-fired heating equipment, electric water heater, and built-in bathroom heaters. Having determined what your wiring requirements will be, the big question is, "How much will it cost?" Unfortunately, there is no yardstick by which your probable expenditure can be measured. Cost will vary from one section of the country to another. Size of the job is the principal factor; heavier entrance equipment probably will entail considerably more expense than installation of a single appliance circuit, for example.

Your electric utility representative can give you expert advice about rewiring your home, at no cost to you. In fact, with his help you will probably save money. Many utilities offer free wiring and lighting layout service. Another good source of information are the adequate wiring bureaus established in some cities.

Another thing to remember: An improperly wired home is not only inefficient but also unsafe. Wires which overheat and damage insulation can create a fire hazard; improper lighting in dark rooms and on stairways can lead to serious falls. The National Electrical Code, which forms the basis for practically all local electrical codes, is a standard of safety. It deals primarily with the materials and methods of installation of wiring systems. It does *not* provide against the possibility of the wiring system becoming overloaded due to increased use of electric service. So don't feel your system is adequate because it meets the national or local electrical code.

Good planning yields dividends in comfort

[Continued from page 62]

BUILDING DATA

ARCHITECT: E. S. ELSWOOD & ASSOCIATES

ASSOCIATE ARCHITECT: GEORGE TSURUOKA, A.I.A.

BUILDER: J. C. NICHOLS, INC.

House package	*Wadsworth Modular Materials*	Wadsworth
Perimeter insulation	*Fiberglas*	Owens-Corning Fiberglas
Floor surfacing	**Wood-Mosaic* laminated oak block	Parkay
	Hako asphalt tile	Hachmeister
	unglazed ceramic tile	Mosaic Tile
Roof surfacing	built-up: *Old American* saturated felts	American Asphalt Roof
Surfacing		
exterior	**Texture #111* plywood	Douglas Fir Plywood Association
	**Masonite Tempered Presdwood* siding	Masonite
interior	**Gold Bond* gypsum wallboard	National Gypsum
	glazed ceramic tile	Mosaic Tile
Interior trim	*Ponderosa Pine	Ponderosa Pine Woodwork
Insulation	**Gold Bond*	National Gypsum
Paints & stains		
exterior	*Cabot's* Stains	Samuel Cabot
interior & exterior	*Colorizer Paints*	Colorizer Associates
Closet units	**Mengel Wall Closets*	Mengel
Doors	*flush interior	Mengel
	**Gibraltar* flush exterior	General Plywood
	**Novoply* sliding	United States Plywood
	**Foldoor*	Holcomb & Hoke
	*garage door	Barber-Colman
hardware	**E-Z-Set* lock sets	National Lock
	*sliding track	Grant Pulley & Hardware
Windows	*Curtis Convertible*	Curtis Companies
***Glass & mirrors**		Pittsburgh Plate Glass
Heating	forced warm air, *Bryant* furnace	Bryant Heater
controls	electronic *Moduflow*	Minneapolis-Honeywell
distribution	*Sonoairduct* registers	Sonoco Products Lima Register
chimney	*prefabricated	Van Packer
Ventilation	exhaust fans	Fasco Industries
Electrical	switches	General Electric
	lighting fixtures (dining)	Lightolier
Plumbing	fixtures	Kohler
	bathroom accessories & medicine cabinet	Hess
	hot water heater	Bryant Heater
Kitchen & laundry	*Disposall*, dishwasher, range, refrigerator, washer & dryer	General Electric
	Youngstown Kitchens cabinets	Mullins Mfg.
counter tops	**Formica* surfacing	Formica
Built-ins	**Weldwood* plywood	United States Plywood
	Masonite Peg-Board	Masonite
radio	*flush-wall	Flush Wall Radio

* indicates items included in house package

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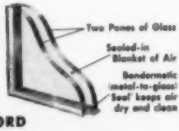

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Make time for year-round outdoor cooking

[Continued from page 88]

We no longer live in the day when food was seasonal and could only be enjoyed when nature made it available. In one form or another, practically everything we eat can be found on the market whenever we fancy it. Yet there are certain flavors that have greater appeal in the spring than in the fall, and the following recipes are arranged (very loosely) to follow the calendar. You may shift them about as you will.

SUMMER

BARBECUED SUMMER SQUASH

The delicate flavor of squash still prevails when barbecued with a hot sauce. Use zucchini, scallop, or cocozelle for this recipe. Be sure that the skin is tender enough to be punctured with the thumbnail. If it is not, the squash is too mature for this method.

3 summer squash
1 tablespoon olive oil
¾ cup red-hot barbecue sauce (recipe on page 98)
salt and pepper to taste

- Wash and dry squash and cut into halves, lengthwise.
- Brush the halves with olive oil, salt, and pepper.
- Cover generously with barbecue sauce and broil over or under medium heat for about 15 minutes or until squash is tender, basting frequently with barbecue sauce.
- If desired, sprinkle with cheese before serving.
- Serves 6.

GRILLED FISH STEAKS WITH ROSEMARY BUTTER

Rosemary butter is to a fish what *Sauce Bernaise* is to a sirloin: a superlative fillip.

6 fish steaks (salmon, halibut, or swordfish—half-inch thick)
1 cup warm water
3 teaspoons salt

- Place fish steaks on a greased grill or in a folding wire broiler.
- Mix salt and warm water together; baste fish with the salt water as often as fish looks dry.
- Broil for 20 minutes turning frequently.
- Spread immediately with rosemary butter.

[Continued on page 95]

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Make time for year-round outdoor cooking

[Continued from page 94]

ROSEMARY BUTTER

¼ cup softened butter or margarine
½ teaspoon crushed whole rosemary leaves

- Combine ingredients and spread over grilled fish.
- Serves 6.

NOTE: This butter keeps well. Store any that is left over in covered jar in refrigerator.

FRESH CORN FLAPJACKS

For brunch or supper, these are at their best with broiled ham slices and green applesauce.

½ cup sifted all-purpose flour
½ teaspoon baking powder
¼ teaspoon salt
½ teaspoon sugar
1 cup grated raw corn
1 egg, well beaten
2 tablespoons melted butter or margarine
3 tablespoons milk
¼ teaspoon Ac'cent

- Mix flour, baking powder, salt, and sugar.
- Mix corn and egg; stir in melted butter.
- Gradually add dry ingredients, stirring until quite smooth.
- Add milk to make a good pancake consistency; add *Ac'cent.*
- Bake as you would any pancake on a hot, lightly greased griddle, turning once.
- Serve accompanied by a pitcher of melted butter or margarine.
- Makes 12 to 14 3-inch flapjacks.

FALL

PUNGENT PORK ROAST

As the weather grows brisker, our appetites grow heartier, and pork, which we may have neglected during the summer, now comes into its own. The smoky barbecue sauce (recipe on page 98) will give the roast a very dark crust and an indescribably delicious flavor.

4 pounds pork loin roast or fresh Boston butt
2 cloves garlic
1½ cups smoky barbecue sauce

- Insert slivers of garlic in incisions throughout pork roast.
- Place roast on a spit, centering

[Continued on page 98]

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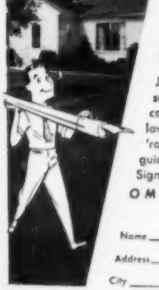

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SPADE AND TROWEL

If you have a gardening problem, LIVING *For Young Homemakers' garden experts will help solve it for you. Queries of general interest will appear on this page every month. For a prompt reply to more specific and individual problems, send us a stamped, self-addressed envelope.*

Q. Until lately I thought my rosebushes which flowered well in June were perfectly healthy. Now I notice that the leaves of a few of them are turning yellow and falling off. Is there anything I should do? H. P.

A. Very likely this is merely the result of the plants no longer needing all their leaves and shedding the surplus ones. This is a common occurrence and should cause no alarm.

Q. Our summers are very hot and dry and my African violets in the house just can't take it. Have you any suggestions? T. C.

A. Try standing the plants on a two-inch-layer of bird gravel in a baking pan and keeping one inch of water in it. If this does not help, your plants will have to be kept in a glass-enclosed box where humidity can be maintained properly.

Q. Our asparagus plants have tall, branching stalks, and I have wondered if and when they should be trimmed. V. F. T.

A. Leave them alone until they turn yellow. While the stalks are still alive, they help to strengthen the plant for next year's crop.

Q. I made a birdbath for the robins and other birds that frequent my garden, but now none of them seem to want to use it. It is certainly big enough; the water is six inches deep. J. N.

A. The pool is much too deep. Songbirds will not enter water unless they can stand firmly on the bottom. A pool should slope down gradually from a dry edge to a three- or four-inch depth in the middle.

Q. Our cauliflower plants formed heads, but by the middle of July they had turned very dark. What do you suppose was wrong with them? M. B.

A. Probably hot weather did it. Strong cauliflower seedling plants should be set out early in spring for them to head-up before hot weather, or else plant in early summer for a fall crop.

Q. I have had a great deal of trouble with quack grass (witch grass) in my perennial borders, and wonder if there is any way I can get rid of this nuisance permanently. T. P.

A. You can get rid of it by removing all flower plants and practically sifting the soil to remove every scrap of the grass roots. Constant watching, pulling, and cultivating will help but not cure the trouble.

Q. Rough, whitish formations have appeared on the branches of our lilacs and I wonder if I should do something to get rid of them. They have a scaly and rather unpleasant look, and I have been told they may be harmful to the plants. L. S.

A. This sounds like one of the common scale insects. Ask your garden-supply store for a dormant spray that will kill scale insects, and apply as directed by the manufacturer.

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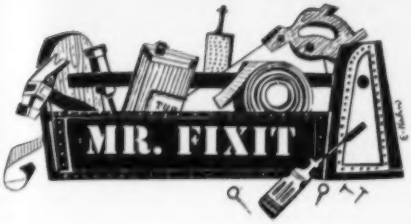

LIVING For Young Homemakers' building and home repair experts will help you solve your problems on this page every month. If you have an immediate emergency, a stamped, self-addressed envelope will bring you a prompt reply. Questions about equipment and building materials will be answered frankly and honestly according to the results of our research.

Q. I have been told that Venetian blinds can be cleaned by dousing them in a tub filled with soapsuds and water, and then rinsing them off. Is this safe? P. R. I.

A. If the blinds are of good quality and cement is not used to join tapes to slats, you can clean them easily this way. If cement is used and is waterproof, the same applies. But you had better be certain cement is waterproof before you attempt cleaning. Check with your dealer.

Q. We get our water from an artesian well. Lately, all my linen and clothing started to turn yellow, presumably from the water. What do you think? D. M.

A. It sounds as though you are getting water with a sulphur or iron content. I would suggest that you take a sample of the water to a local chemist and have him analyze it. Many communities have representatives from a water-conditioning service who may be able to help you. There are water treatment units that will remedy your trouble but you must first find out just what the trouble is.

Q. Not long ago we bought an old two-car garage with the idea of building a house by remodeling the old structure. The floor of the garage is a concrete slab about five inches thick, but with a very rough finish. We have ground down the worst of the bumps, but now we find that there are a few depressions that will make it impossible to install the linoleum tile floor. I talked over the problem with a local paint dealer and he showed me a product, a black powder, which, he says, can be mixed with water and spread over the floor to give a level surface. He says it will stick to concrete and harden, and tile can be installed over it. Would you give me your opinion? J. B.

A. Your dealer has advised you well. This product is available on the market under a number of trade names, and all are about the same in use and effectiveness. Not only can you tile over this patching material, but it can be painted as well.

Q. I have seen several fireplaces recently which have been painted dull black on the inside, and I would like to paint my own fireplace the same way. Is there a paint I can use? Mrs. N. M.

A. I think you will find that the fireplaces you admired which look so neat are not heavily used. There are some furnace paints and enamels which stand up well under heat, but I do not know of any that will last under the flame and fumes given off by the average log fire.

Q. Will steel wool used on a wood surface cause rust spots to appear? I have been working on a piece of furniture and I was warned that the use of steel wool will cause discoloration. H. L.

A. Dry steel wool used on a wood surface will not cause stains in the wood unless there is dampness present. Be sure to dust off the surface when you are through using the steel wool.

Q. Our fireplace, faced with light-colored glazed brick, has been spattered with paint. I have been told that a wire brush will remove spots, but I hesitate to use such a brush for fear the glaze will be harmed, too. P. H.

A. Your concern is justified. The wire brush will scratch the glazed surface and ruin the finish. I suggest that, instead, you soften the paint spots with turpentine, scrape them carefully with a blunt knife, then wipe them with a cloth dipped in turpentine.

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Name.....
Street.....
City..... Zone..... State.....

Make time for year-round outdoor cooking [Continued from page 95]

it and using prongs to hold it in place. If necessary, use heavy string to tie protruding parts securely.

- Baste with sauce frequently. Cook about 30 minutes per pound at moderate heat or until meat thermometer registers well done (185°F.).
- Serves 10 to 12.

PEPPERONI SALTATI
(sautéed peppers)

This colorful relish is a great asset to outdoor cooking, and is equally good with hamburgers, chicken, or steak.

12 large green peppers
6 sweet red peppers
6 tablespoons olive oil
2 cloves garlic
salt to taste

- Slice peppers in eighths lengthwise after removing seeds and fibers.
- Heat oil and garlic in a large, deep skillet over a low heat.
- Add peppers, cover, and cook slowly until soft.
- Remove cover, salt to taste, and allow to cook uncovered until excess liquid evaporates.
- Serves 6 to 8.

WINTER

MEXICAN BEANS

This is a dish with all the qualifications for outdoor appetites: hearty, satisfying, and colorful. It may be cooked and recooked.

2 cups red kidney beans
2-3 cloves garlic, minced
1 large onion, chopped
1 8-ounce can tomato sauce
⅓ cup salad oil
2 teaspoons salt
1 teaspoon dry mustard
¼ teaspoon black pepper
¼ teaspoon powdered cumin-seed (if desired)

- Wash beans, cover generously with cold water (about 6 cups) and soak overnight.
- Drain, cover with fresh boiling water, add rest of ingredients, cover and simmer gently for 2 to 3 hours, or until beans are tender and sauce is thick.
- Stir occasionally. It may be necessary to add a little boiling water from time to time.
- When done, beans should be neither dry nor soupy.
- Serves 6 to 8.

LYRICAL LAMB

The origins of this dish lie somewhere in the Near East, but the preparation is as up to date as aluminum foil can make it. Serve with crisp relishes, Italian bread, and a bottle of wine.

6 shoulder lamb chops
½ cup salad oil
1 cup red wine
½ teaspoon orégano
2 cloves garlic
1 cup rice
3 green peppers
3 tomatoes
3 onions
1 large eggplant
salt and pepper

- Marinate shoulder chops in salad oil, wine, *orégano*, and garlic for about 3 hours at room temperature.
- Cut 12-inch squares of aluminum foil.
- Place 1 chop, 2 tablespoons rice, ½ tomato, ½ onion, ½ green pepper, and 1 thick slice of eggplant on each square of foil and season with salt and pepper.
- Fold foil over food, sealing together tightly and bake slowly about 2 hours over coals.
- Serves 6.

SAUCES

There are as many barbecue sauces as there are cooks. Here are three standards that would be well to master.

SMOKY BARBECUE SAUCE

A pungent sauce that goes well with pork and lamb.

4 tablespoons unsulphured molasses
¼ cup cider vinegar
⅔ cup catsup
⅓ cup water
2 tablespoons soy sauce
2 tablespoons Worcestershire sauce
1 tablespoon prepared mustard
1 medium-sized onion, sliced thin
6 very thin slices of lemon
¼ cup olive oil
2 teaspoons liquid smoke
¼ teaspoon coarsely ground pepper
¼ teaspoon cayenne pepper
1½ teaspoons salt

- Mix all ingredients together and simmer slowly for about 30 minutes, stirring frequently.
- Makes about 1½ cups of sauce.

RED-HOT BARBECUE SAUCE

This sauce will put zing into practically anything: leftover lamb or pot roast, hamburgers, and frankfurters. It can be made even more robust with the addition of tabasco, green pepper, a little sugar, and *Kitchen Bouquet*. After that, you're on your own.

1 tablespoon salt
3 cloves garlic
1 cup salad oil
½ cup cider vinegar
2 tablespoons chopped green onion
1 tablespoon chili powder
1 cup tomato juice
1 teaspoon orégano

- Add chopped garlic to salt, and work with fork or pestle until liquefied.
- Add other ingredients and cook slowly for 10 minutes.
- Strain and bottle. It will keep for several weeks.
- Makes about 2½ cups of sauce.

LEMON BARBECUE SAUCE

A delicately seasoned sauce for poultry or veal.

¼ cup melted butter or margarine
1 medium onion, chopped fine
2 teaspoons salt
¼ teaspoon pepper
½ cup lemon juice
½ cup water
4 tablespoons brown sugar
3 tablespoons chopped parsley

- Melt butter in saucepan; add onion and sauté until soft.
- Add remaining ingredients, simmer slowly for about 10 minutes.
- Heat any sauce remaining after basting and serve with chicken.

SPRING

LOBSTER ORÉGANO

This is another dish for the jaded appetite. The lobster supplies the subtle flavor, the *orégano* the zip.

2 12-ounce packages frozen lobster tails
2 teaspoons salt
¼ cup lemon juice
¼ teaspoon black pepper
⅓ cup melted butter or margarine

½ cup lemon juice
¼ teaspoon salt
½ teaspoon orégano

- Let lobster tails stand at room temperature until thoroughly thawed; cover with water. Add 2 teaspoons salt, ¼ cup lemon juice, pepper, and bring to a boil.
- Simmer *just 5 minutes.*
- Slit lobster tails down the center with a sharp knife or a pair of shears.
- Tie them to the spit according to rotary barbecue directions.
- Combine melted butter, ½ cup lemon juice, ¼ teaspoon salt, and *orégano.*
- Baste lobster tails thoroughly with the lemon butter sauce and cook on rotary spit for 15 to 20 minutes, or until lobster turns pink and is tender.
- Baste frequently with butter sauce during cooking period.
- Serve immediately. Additional lemon butter sauce may be served with lobster if desired.
- Serves 4.

NOTE: Fresh or frozen whole lobster may also be used, allowing 2 servings per lobster.

GARLIC SHRIMP

Shrimps, fortunately, are always available, but their color seems very appropriate to the vernal season. Use the largest shrimps you can find: 6 to 8 to a serving should be adequate. They may be strung on skewers and cooked over charcoal, or roasted on a spit. These are definitely for garlic lovers only.

3 pounds jumbo shrimps
½ cup butter, heated until soft
2 cloves garlic, mashed

- Shell and devein the shrimps.
- Crush the garlic and add it to the melted butter.
- Dip shrimps in garlic butter and broil about 3 minutes on each side.
- Serve with wedges of lemon.
- Serves 6.

These are recipes for anytime of the year, as they may strike your fancy and your sweet tooth.

CREPES PINE-ETTE

Crepes are always an exhibition dish. When cooked and served out of doors with a flaming sauce, they are as dazzling as a dessert can be.

1 No. 2 can pineapple spears
⅔ cup sifted enriched flour
1 tablespoon granulated sugar
few grains salt
2 whole eggs
2 egg yolks
1¼ cups milk
2 tablespoons melted butter

- Drain pineapple spears and place on absorbent paper to remove surplus moisture.
- Sift together flour, sugar, salt.
- Combine eggs with egg yolks and beat until light.
- Mix with dry ingredients.
- Stir in milk until just smooth; blend in butter; let stand about 2 hours.
- To make crepes, pour a tablespoon of batter in a very hot, lightly buttered skillet.
- By tilting pan or using back of spoon, spread batter as thinly and evenly as possible to make a 3-to-4-inch round.
- When set and brown on underside, flip with spatula and brown on other side.
- Roll each crepe around a thoroughly drained pineapple spear and place, side by side, in a buttered suzette pan or on a heatproof platter.
- Keep warm in a chafing dish or in a warm oven.
- Serve with flaming pineapple sauce.
- Makes about 16 crepes.

FLAMING PINEAPPLE SAUCE

2 tablespoons sweet butter
1 tablespoon granulated sugar
1 cup pineapple sirup (drained from pineapple spears)
2 tablespoons lemon juice
grated peel of one orange
1 tablespoon brandy
granulated sugar
½ cup warmed brandy

- Melt butter with the one tablespoon granulated sugar, pineapple sirup, lemon juice, and grated orange peel; bring to a boil.
- Stir in 1 tablespoon of brandy.
- Pour over crepes.
- Sprinkle crepes with additional granulated sugar and the half cup of warmed brandy.
- Ignite and serve while flaming.

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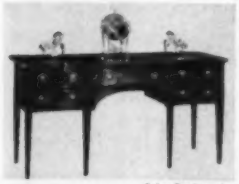

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YOUR GUIDE TO THIS ISSUE

The following items appear in special features in this issue. ALL PRICES QUOTED ARE APPROXIMATE AND SUBJECT TO CHANGE.

SPARE TIME + IMAGINATION = A COMPLETE HOME IN JUST ONE ROOM

Pages 32-37

Box spring and mattress.....$90.00
Moss Embroidery draperies (per pair).....$39.50
Como blue café curtains (per pair).....$5.95
Plaid curtains (per pair).....$17.50
Durasatin pink draperies (per pair).....$35.00
Solaire café curtains (per pair).....$7.50
Round brass curtain clips:
Small (½", each).....10c
Medium (¾", each).....10c
Large (⅞", each).....15c
Jumbo (1¼", each).....25c
Super (1½", each).....30c
Wicker Weave sailcloth (per yd.)—Wellington Sears.....$1.39
Brick wallpaper (per single roll)—Schmitz-Horning.....$5.50
Maypole Nocturne blanket (twin size)—North Star.....$15.95
Bates:
Percale sheets (72" x 108", each).....$4.75
Pillowcases (each).....$1.35
White pleated lamp shade—Bonniers.....$5.25
Bamboo blinds—Holland Shade
William Streeter:
Pepper mill.....$3.00
Oil and vinegar set.....$1.75
Knifeboard set.....$12.50
Copper cookware—Bazar Française
Baskets—Basket Bazaar

SEVEN POINTS FOR REMODELING YOUR BATHROOM

Pages 56-59

Page 57

Bench—Reilly-Wolff.....$13.90
Playtime denim fabric (per yd.)—Cone Mills.....79c
Varlar wall covering (per sq. ft.).....12½c
Amtico rubber tile (per sq. ft.).....56c
Conso cotton knotted fringe (per yd.).....49c
Lighting fixture—Lightolier—$33.00
Towel bars (each).....$3.60
Dundee Mills:
Solid bath towels (each).....$1.09
Washcloths (each).....29c
Striped bath towels (each).....$2.95
Garden City Plating:
Garcy brackets (each).....62c
Standards (per ft.).....36c
All accessories throughout from Hammacher Schlemmer
Cosmetics throughout by Elizabeth Arden

Page 58

Dundee shower curtain—Para....$4.98
Fieldcrest Mills:
Plaid bath towels (each).....$2.98
Solid bath towels (each).....$2.00
Hanging light fixture.....$30.00
Hair Vac massager (Oster).....$14.95

Page 59

Flor-Ever (per sq. ft.).....34c
Bloom Tuft cotton rug (per sq. yd.)—Magee.....$4.95
Domino shower curtain—Ames $7.95
Callaway Mills:
Striped hand towels (each) $1.00
Solid bath towels (each).....$2.00
Washcloths (each).....39c
Bath mat.....$3.98
Curtain clips (each)—Ottavia.....30c
Shutters—Heinley

GOOD PLANNING YIELDS DIVIDENDS IN COMFORT

Pages 60-67

Dining area Page 63

Drop-leaf extension table.....$99.95
Side chairs (each).....$20.65

Living room Pages 64-65

B. P. John Furniture:
Junior buffet.....$89.95
Coffee table.....$35.00
Lamp tables (each).....$35.00
Step table.....$35.00
Madiera Chromspun drapery fabric (per yd.).....$3.40
Palm Beach cotton carpet (per sq. yd.)—Bigelow.....$7.95
Quiet-Riter portable typewriter—Remington Rand (tax incl.)..$115.21

Kitchen Page 66

Molla:
Round wrought iron table $70.00
Side chairs (each).....$32.50
Ottoman.....$39.95

Master bedroom Page 66

Double bed.....$60.00
Night tables (each).....$35.00
Double mattress & box spring (each unit)—Simmons.....$39.50
Sudbury curtain fabric (per yd.).....$1.80
Sudbury matching wallpaper (per single roll).....$3.25
Corsair coverlet fabric (per yd.).....$1.95
Southampton cotton carpet (per sq. yd.).....$6.95

Boys' room Page 67

Pennsylvania House Furniture:
Chests (each).....$129.95
Night tables (each).....$45.00
Captain's chairs (each).....$49.50
Single mattress & box spring with legs (each unit).....$44.50
Matchmaker Stripe curtain & dust ruffle fabric (per yd.).....$1.80
Clipper Cloth coverlet fabric (per yd.).....$1.95

MAKE TIME FOR YEAR-ROUND OUTDOOR COOKING

Pages 84-88

Sunday brunch Page 84

Brookpark Modern Design dinnerware (per 20-piece starter set) $19.95
Holland Dru Iron frying pan (10¼")—Evans.....$7.95
Hibachi.....$16.95

Supper party Page 85

Lifetime Ware (per 16-piece starter set).....$14.95
American Modern flatware (per 6-piece place setting).....$6.95
Princess wine glasses (each)—Viking Glass.....$1.35
Hurricanes (each)—West Virginia Glass.....$3.00
Tablecloth and 6 napkins—Irish Linen.....$19.50
Broil-O-Kart barbecue.....$49.50

Family supper Page 86

Line flatware (per 6-piece place setting).....$7.50
Royal Chef grill.....$39.95

Gala buffet Page 87

Simtex Mills:
Mayfair tablecloth.....$3.50
Napkins (each).....50c
Sullivan chuck wagon.....$179.50

Ladies' day Page 87

Crystal Flair tumblers (set of 8).....$1.20
Place mats (each)—*Bucilla*.....89c
Grilladier.....$47.50
Sawbuck table & 2 benches.....$39.95

Beer and skittles Page 87

Ellips flatware (per 6-piece place setting).....$6.50
Pilsner glasses (per dozen).....$5.00
Broil-Air.....$48.00
Round table.....$30.00

The not so melancholy days Page 88

Color-Flyte dinnerware (per 16-piece starter set).....$14.95
Design One flatware (per 6-piece place setting).....$6.00
Milk glass tumblers (each).....$1.50
Skotch grill.....$6.95
Drop-leaf serving cart.....$59.50
Wheelbarrow table.....$49.50

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